

Richards-Wilcox

DOOR HARDWARE



A. I. A. File No. 27

A. I. A. File No. 27



GENTLEMEN

**This New Catalog No. A-400 Supersedes
All General Catalogs previously issued
by us . . . the A-400 is not intended to**

**be a General Catalog showing specific details of all R-W products . . . But has
been redesigned to feature Door Hardware only. Individual catalogs covering
the items previously shown in the General Catalog are now available in Sup-
plementary Catalogs . . . These individual catalogs along with a binder will
now make up the General Catalog for Richards-Wilcox.**

GENERAL HARDWARE DIVISION

- Door Hardware
- Industrial Doors
- Fire Doors
- Ladders
- Airplane Hangar Hardware
- Stage Curtain Equipment

ELECTRIC DOOR OPERATOR DIVISION

- Introduction to Electric Operators
- Sliding - Folding and Sliding Doors
- Swinging Doors
- Overhead and "Vertical-Lift" Doors
- Gates
- Special Application
- Control Systems

MATERIALS HANDLING DIVISION

- No. 2035 "Zig-Zag" Power Chain Conveyor
- "Twin-Trak" Automatic Dispatch Conveyor
- "Tota Tray" Carousel Conveyor
- "Stanrun" Overhead Chain Conveyor
- No. 458 Chain Conveyor
- No. 460 Lightweight Chain Conveyor
- "Safe-Rail" Free Trolley Systems
- "Trolley Track" Free Trolley Systems
- "Tru-Tred" I-Beam Systems
- Cranes

SCHOOL EQUIPMENT DIVISION

- Folding Partitions
 - Partition Doors—Schools
 - Partition Doors—Hotels
 - Partition Door Architectural Data
 - Door Facings Materials
- Wardrobes

In the interest of progress and improvement these specifications may be changed without notice.

Dimensions shown are approximate. For exact dimensions certified prints will be sent.

*To find what you
want quickly - - -*

**HOLD AS PICTURED WITH RIGHT
THUMB ON DESIRED SECTION.**

**OPEN CATALOG AT BLACK MARK
APPEARING OPPOSITE DESIRED SECTION.**



**VANISHING DOOR
HARDWARE**

**GARAGE DOOR
HARDWARE**

**SLIDING DOOR HANGERS
AND TRACKS**

DOOR TRIM HARDWARE

HINGES

HARDWARE SPECIALTIES

INDUSTRIAL HARDWARE

ELECTRIC OPERATORS

INDUSTRIAL DOORS

**FIRE DOORS
AND HARDWARE**

**MATERIALS HANDLING
EQUIPMENT**

**PARTITIONS AND
WARDROBES**

AIRPLANE HANGAR

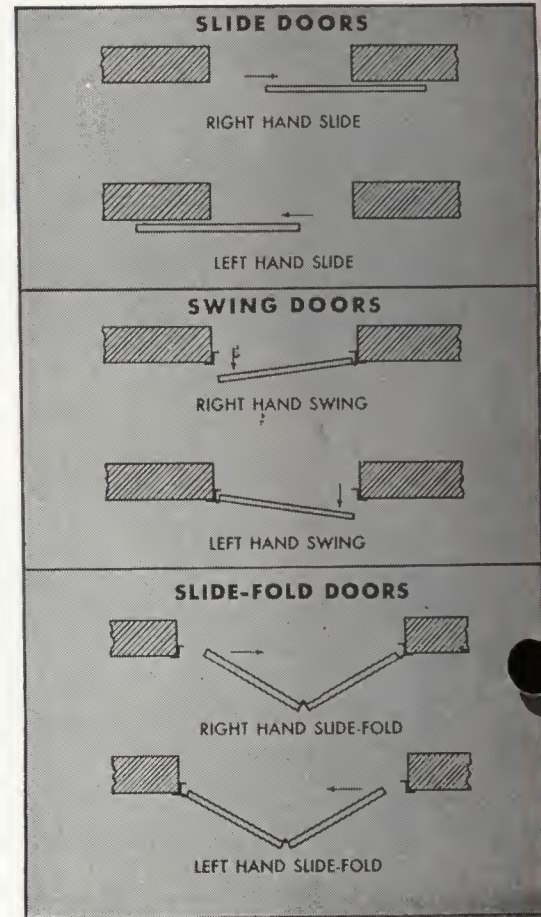
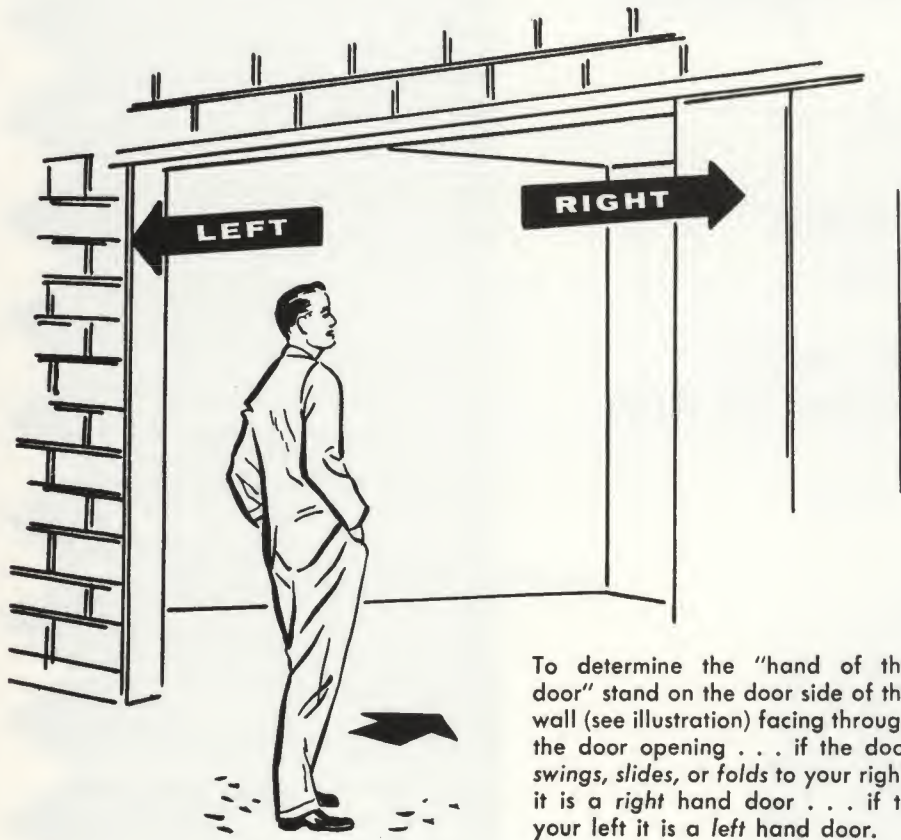
LADDERS

STAGE CURTAIN TRACK

OPEN FRONT HARDWARE

APPENDIX AND INDEX

How to Determine the Hand of an R-W Door or Lock



LOCKS, CYLINDERS AND DOOR CLOSERS

When ordering Locks and Cylinders or Door Closers . . . Be sure to specify whether or not they are to be used on the hinge side.

PANIC BOLTS

For Hand of Panic Bolts see Page No. 115.

R-W Fire Doors, Fire Door Hardware and Accessories are Underwriter Laboratories and Factory Mutual approved. R-W Fire Doors are available with flat, all-steel surface and corrugated sheet metal for sliding, hinged or vertical doors with flat or round track, single or double-link operation.



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"SILVER STREAK" Vanishing House Door Hardware

**"Modern Homes Demand
R-W Modern Hardware"**

SILVER STREAK Hangers and Track



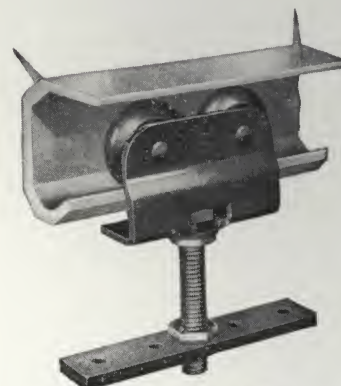
"SILVER STREAK" Hangers and Track Are
Ideal for Closet Doors.



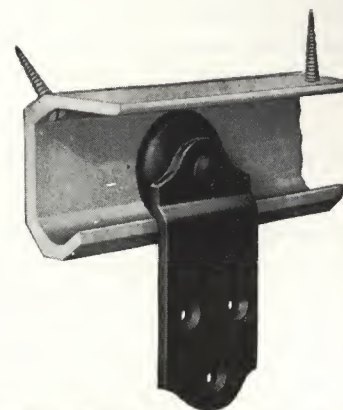
**"SILVER STREAK IS IDEAL WHERE-
EVER A SLIDING DOOR
CAN BE USED."**



Single Wheel Silver Streak
Adjustable Hanger for 100 lb. Doors
No. 1019 Steel. No. 1018 Solid
Bronze



Two Wheel Silver Streak
Adjustable Hanger for 200 lb. Doors
No. 2018 Steel. No. 2019 Solid
Bronze



Single Wheel Silver Streak Junior
Non-Adjustable Hanger
for 100 lb. Doors
No. 3019 Steel

SILVER STREAK Hangers and Track

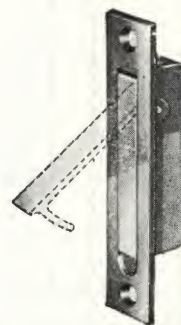
•Use

For doors, 3/4" or more in thickness.
Nos. 1018, 1019, and 3019 for 100 lb. doors.
Nos. 2018 and 2019 for 200 lb. doors.

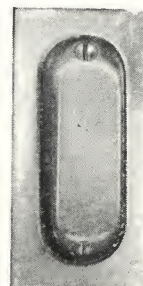
•Construction

Nos. 1018 and 2019, solid bronze for areas subject to corrosive conditions.
Nos. 1018, 1019, 2018, and 2019 attached to top of door by plate 3/4" wide.
No. 3019 attaches to face of door.
Wheels, nylon.

Cat. No.	Frame, Pendant Plate or Apron	Diameter Wheels	Weight per Pair	Finish
1018	Solid Bronze	1-1/4"	1-1/8 Lbs	Natural Bronze
1019	Steel	1-1/4"	1 Lb.	Silver
2018	Steel	1-1/4"	1-1/2 Lbs.	Silver
2019	Solid Bronze	1-1/4"	1-3/4 Lbs.	Natural Bronze
3019	Steel	1-1/4"	7/8 Lb.	Silver



R-W No. 1019-1
End Door Pull



R-W No. 1019-2
Flush Pull

•Packed

One pair hangers in carton with one No. 1019 floor guide.

•Silver Streak Track

Extra hard composition extruded aluminum. 1-9/16" high.
Available in 4', 5', 6', 7', 8', and 10' lengths. Weight per foot 1/2 lb. Order track equal to twice width of opening.

Extras—Sold Separately

•No. 1019-1 End Door Pull

Used in the end of door to pull door out of a pocket. Dull brass finish. For doors 1-1/8" or more in thickness. 3-29/32" long, 13/16" wide, 13/16" deep. Weight, each, 2 ozs.

•No. 1019-2 Flush Pull

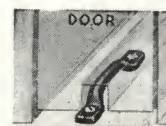
Used on side of door. Dull brass or dull bronze. 3-1/16" long 1-9/16" wide, 3/8" deep. Weight, each, 1 oz.

•No. 1019-3 Flush Pull or End Door Pull

Used in the end or on the side of door. Dull brass or dull bronze with dead black finger grip. 3-1/16" long, 1-1/8" wide, 3/8" deep. Weight, each, 1 oz.

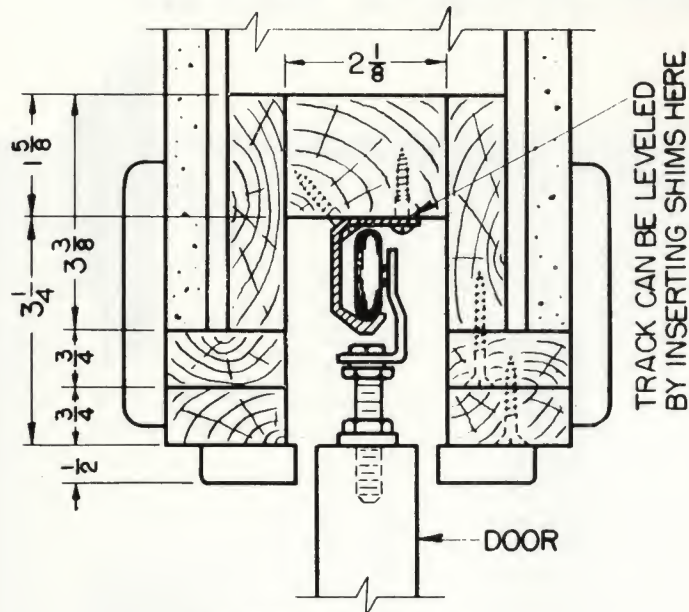


R-W No. 1019-3
Combination Flush Pull or
Door Pull End

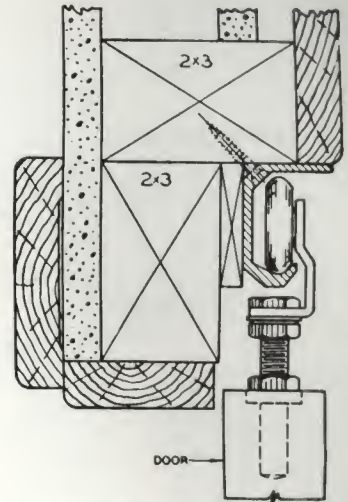


R-W No. 1019 Floor Guide

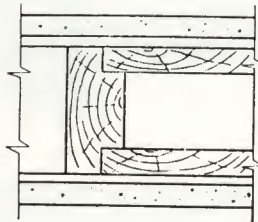
Erection Details of Silver Streak Hangers



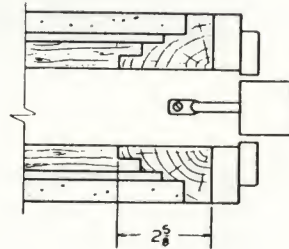
*Silver Streak Hanger on Single Sliding Door



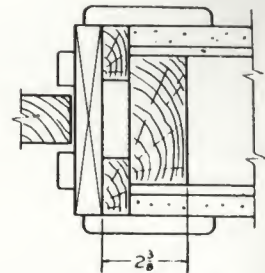
Silver Streak Hanger in 2 x 3 Studded Wall



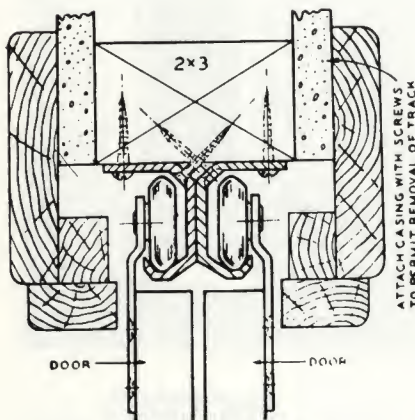
SECTION C-C



SECTION D-D



SECTION E-E

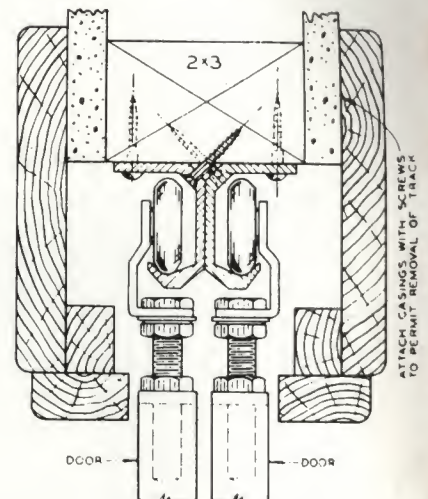


No. 3019 Hangers on Parallel Sliding Doors



NO. 1019 FLOOR GUIDE DETAIL
SCREW TO FLOOR BEFORE PUTTING DOOR IN PLACE

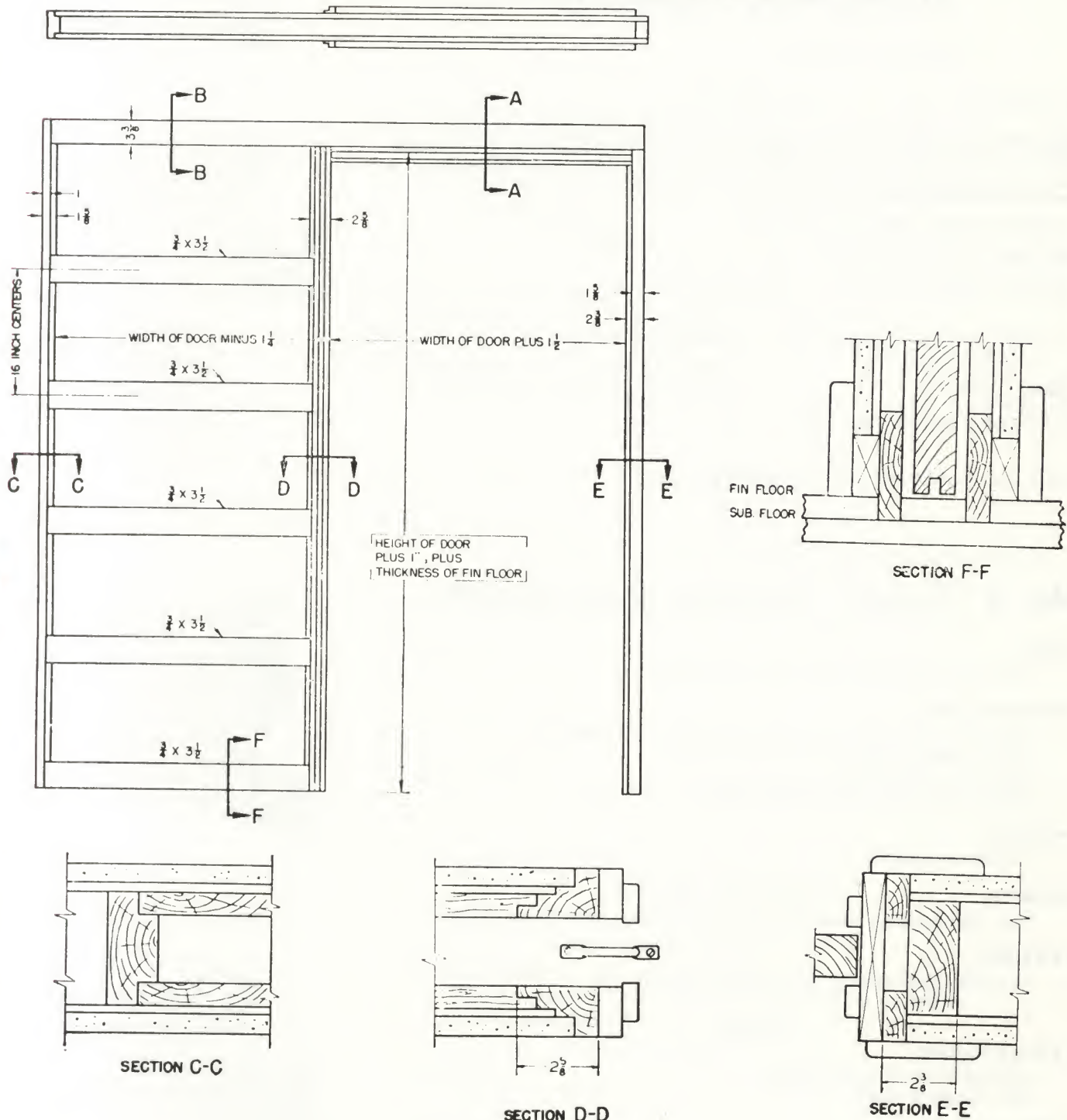
1/8" GROOVE 1/2" DEEP
FULL WIDTH OF DOOR



Silver Streak Hangers on Parallel Sliding Doors

*See Page 7 for details of door pocket.

R-W Wood Frame Design for 2"x4" Standard Studded Plastered Wall Adapted to the Use of Vanishing Doors



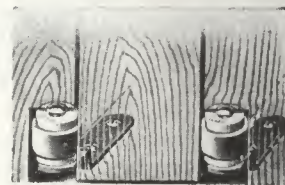
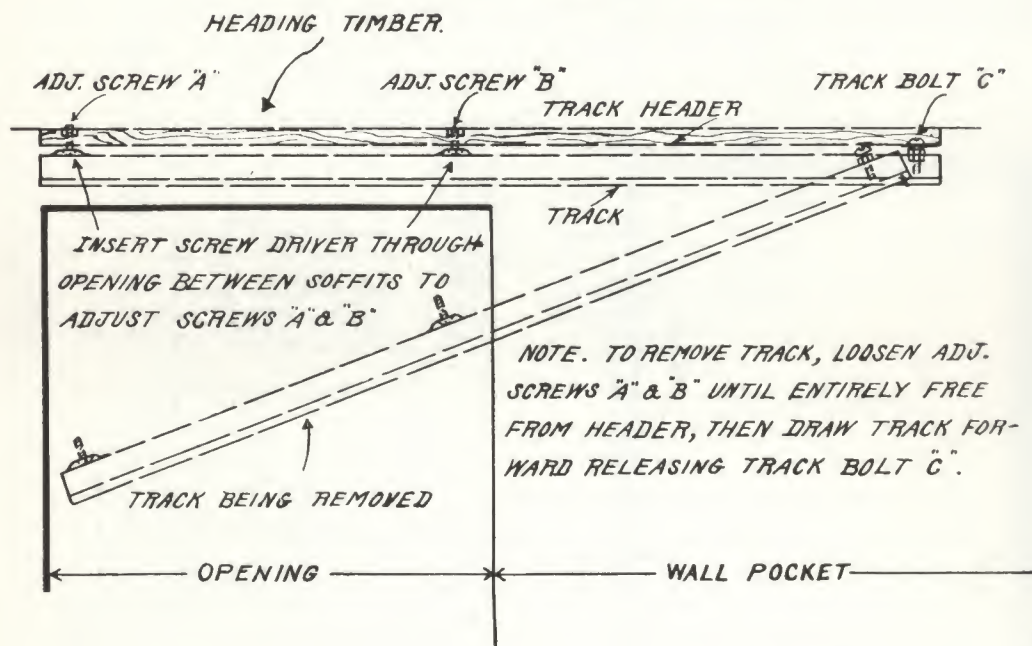
This pocket frame can be specified and built at the mill supplying other millwork or can be made by carpenters at the building.

Due to the thinness of the wall pocket it is not recommended that it be used for single Vanishing Doors more than 4' wide or for double doors in openings more than 8' wide.

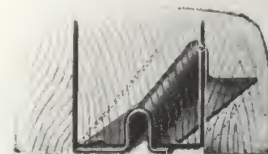
The pocket frame is entirely separate from the wall into which it is to be placed and is not designed to carry floor or other loads above.

The space for track and hanger is $2\frac{1}{8}$ " wide or the width of the header piece as supplied with most R-W Vanishing Door hangers shown on the following pages. See notations on such pages.

Installation of Vanishing Door Hangers Using Box-Type Track



No. 9 Floor Door Guide



No. 19 Floor Door Guide



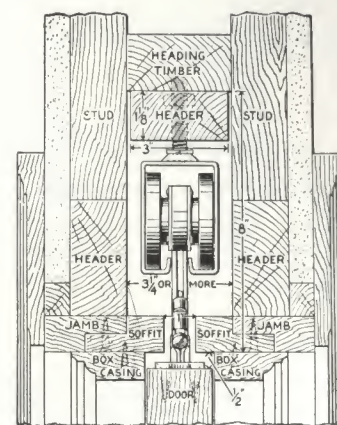
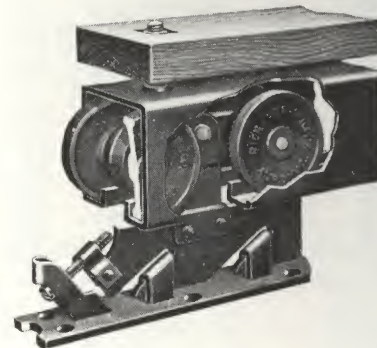
No. 19 Center Door Stop
Sold Separately for Bi-Parting Doors

No. 4 "Trojan" Vanishing Door Hangers

- **Use**
For heavy interior doors not over 300 lbs.
- **Construction**
Wheels, steel unless otherwise specified, 3" diameter.
Fibre wheels furnished on special order.
Bearings, steel balls.
Frame, one piece drop forged steel.
- **Finish**
Cadmium plated.
- **Packed**
One pair hangers complete and No. 19 floor guide with screws.
- **Weight**
Per pair, steel wheels, 8 lbs.; fibre wheels, 7 lbs.

Track

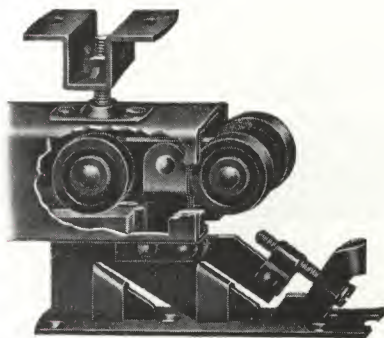
- **Construction**
Furnished with wood header.
No. 14 gauge steel.
- **Weight**
Per foot, 4 lbs.
- **To Order**
Order track to equal twice width of opening.



Cross-Section Through Head Jamb

Vanishing Door Hangers

No. 1221 Silent Door Hanger



No. 1221

- **Use**

For doors weighing up to 175 lbs.

- **Construction**

Wheels, rubber, 1-1/2" diameter, center of hard vulcanized rubber with soft rubber rim.

Bakelite roller guide to provide self-alignment of hanger

Frame, drop forged.

Bearings, steel balls.

- **Finish**

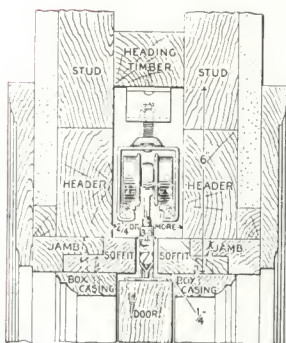
Cadmium plated.

- **Packed**

One pair hangers in a box with screws and No. 19 floor guide.

- **Weight**

Per pair, 3-1/2 lbs.



Cross-Section Thru
Head Jamb

No. 221 Track

- **Construction**

No. 16 gauge steel with hard maple lining clinched into position.

- **Stock Lengths**

4', 4' 6", 5', 5' 6", 6', 6' 6", 7', 7' 6", 8', 8' 6", 9', 9' 6", 10'.

- **Finish**

Gray enamel

- **Weight**

Per foot, 2-1/2 lbs.

- **To Order**

*Order track to equal twice width of opening

No. 221 "Advance"

- **Use**

For doors weighing up to 175 lbs.

- **Construction**

Wheels, pressed steel, 1-7/8" diameter, flange on inside.

Frame, drop forged.

Bearings, hardened steel balls.

- **Finish**

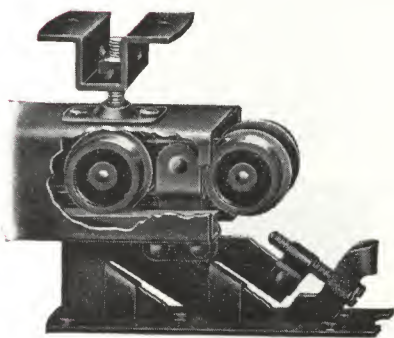
Cadmium plated.

- **Packed**

One pair hangers in a box with screws and No. 19 floor guide.

- **Weight**

Per pair, 4 lbs.



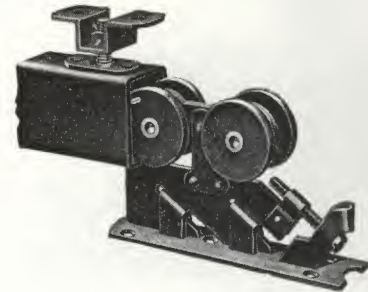
No. 221

*For bi-parting doors, No. 19 center stop (page 8) is sold separately.

Vanishing Door Hangers for No. 19 Track

No. 16 "Twin" Vanishing Door Hanger

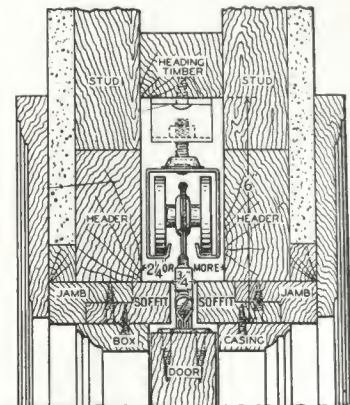
- **Use**
For residential sliding doors up to 175 lbs.
- **Construction**
Wheels, vulcanized fibre, 2-1/8" diameter.
Bearings, steel balls.
- **Finish**
Cadmium plated.
- **Packed**
One pair in a box with screws and No. 19 floor guide.
- **Weight**
Per pair, 3-1/2 lbs.



No. 16 Hanger

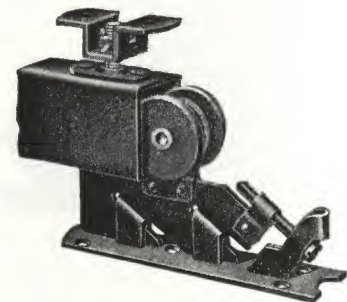
No. 19 Track

- **Construction**
No. 16 gauge steel, furnished with steel clip.
Adjustable as illustrated.
- **Stock Lengths**
4', 4'6", 5', 5'6", 6', 6'6", 7', 7'6", 8', 8'6", 9', 9'6", 10'.
- **Finish**
Gray enamel.
- **Weight**
Per foot, 2-1/4 lbs.
- **To Order**
*Order track to equal twice width of opening.



No. 19 "Hero" Vanishing Door Hanger

- **Use**
For residential vanishing doors up to 125 lbs. and not more than 5 feet wide.
- **Construction**
Wheels, vulcanized fibre, 2-1/8" diameter.
Bearings, steel balls.
- **Finish**
Cadmium plated.
- **Packed**
One pair in a box with screws and No. 19 floor guide.
- **Weight**
Per pair, 2-3/4 lbs.

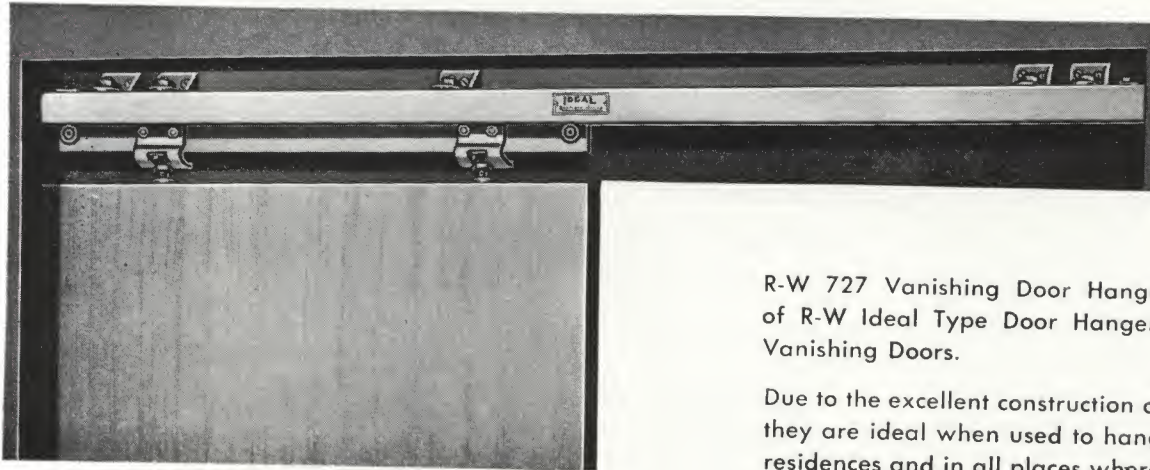


No. 19 Hanger

*For bi-parting doors, No. 19 center stop (page 8) is sold separately.

High Quality Vanishing Door Hangers

USING THE ROLLING BALL DESIGN . . . REDUCING FRICTION TO A MINIMUM



No. 727 Ideal Door Hanger for Single Door Openings or Double Door Bi-Parting Openings.

R-W 727 Vanishing Door Hanger is an adaptation of R-W Ideal Type Door Hanger to the hanging of Vanishing Doors.

Due to the excellent construction of this type of hanger they are ideal when used to hang Vanishing Doors in residences and in all places where a Vanishing sliding door can be used.

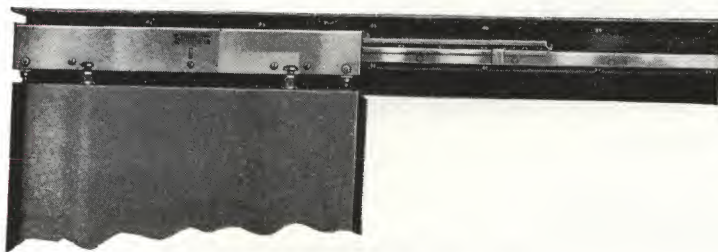


No. 722 Hangers and Track

- **No. 722 HANGERS AND TRACK**

Door is carried on two rows of $\frac{1}{2}$ " diameter balls spread over a long area, so arranged that pure rolling action is attained, reducing friction to a minimum.

Length of track equals twice width of opening.



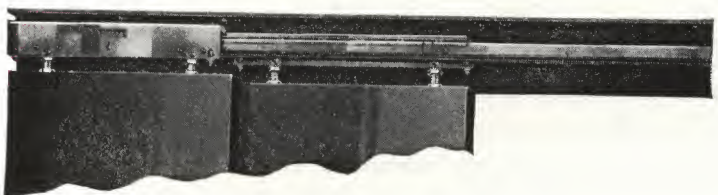
No. 827-1-V Hangers and Track

- **No. 827-1-V HANGERS AND TRACK**

Adaptation of Rich-Wil type door hangers providing deluxe equipment.

For single door openings or double door bi-parting openings of various widths.

Shipping weights vary accordingly.



No. 828-1-V Hangers and Track

- **No. 828-1-V HANGERS AND TRACK**

For wide openings lacking wall pocket space to hold doors.

Both doors (each on its own track) go into one pocket on one side of opening. Door nearest pocket travels at one-half the speed of the other door causing both to reach the end of travel at the same time.



No. 435 *Slidetite* Hangers

These hangers are furnished with Slidetite Nos. 435 and 1035 Garage Door Sets. (See pages 21 to 29.)

Nos. 435-1, 2, 3 Hangers are used with all in-opening doors and for out-opening sets where not more than two doors slide and fold in the same direction.

Nos. 435-21, 22, 23 Hangers are used with out-opening doors.

Frame: Nos. 435-1, 21 of pressed steel; others of drop forged steel.

Pendant: Of turned screw steel; ball bearing.

Adjustment Lock: Same as No. 2435 hanger shown below.

Finish: Trucks, cadmium plated; aprons, gray enamel.

No. 435-1 for 31 Track
No. 435-2 for 33 Track
No. 435-3 for 232 Track

No. 435-21 for 31 Track
No. 435-22 for 33 Track
No. 435-23 for 232 Track



Information Table

Hanger No.	For Track No.	Length of Carriage	Wheels Material	Diameter Wheels	Diameter Pendant	Apron Stock	Length Apron	Weight, Each, Lbs.
435-1	31	4-3/4"	Pressed Steel	2-1/8"	5/8"	5/16" x 2"	7-5/16"	3-1/2
435-2	33	6-7/8"	Pressed Steel	3"	5/8"	3/8" x 2-1/2"	7-5/8"	8
435-3	232	6-7/8"	Pressed Steel	3"	5/8"	3/8" x 2-1/2"	7-5/8"	7-1/2
435-21	31	4-3/4"	Pressed Steel	2-1/8"	5/8"	5/16" x 2"	7-5/16"	3-1/2
435-22	33	6-7/8"	Pressed Steel	3"	5/8"	3/8" x 2-1/2"	7-5/8"	8
435-23	232	6-7/8"	Pressed Steel	3"	5/8"	3/8" x 2-1/2"	7-5/8"	7-1/2



No. 2435—Slidetite Hangers—No. 2434 for Power Operated Doors

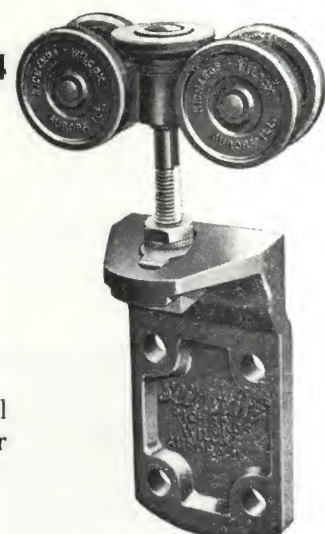
With Steel Aprons

No. 2435-1 for No. 31 Track
No. 2435-2 for No. 33 Track
No. 2435-3 for No. 232 Track

With Malleable Aprons

No. 2434-5 for No. 375 Track
No. 2434-6 for No. 233 Track
No. 2434-7 for No. 533 Track

A fifth wheel in a horizontal position fitted with ball bearings takes care of any side thrust that may occur where the doors are power operated.



Information Table

Hanger No.	For Track No.	Length of Carriage	Diameter Pendant	Apron Stock	Length Apron	Weight, Each, Lbs.
2435-1	31	4-15/16"	5/8"	5/16" x 2"	7-5/16"	3-1/2
2435-2	33	7-3/8"	3/4"	3/8" x 2-1/2"	7-5/8"	9
2435-3	232	6-3/4"	5/8"	3/8" x 2-1/2"	7-5/8"	7-1/4
2434-5	375	7-1/2"	3/4"	1/2" x 4"	8"	10-1/2
2434-6	233	8-3/8"	3/4"	1/2" x 4"	8"	12
2434-7	533	9-13/16"	7/8"	1/2" x 4"	8"	15-1/2

Nos. 435 and 1035 Hanger and Bracket Sets for No. 31 Track

These sets are for our dealers who carry in stock all hardware necessary for No. 435 x 31 or No. 1035 x 31 Garage Door Sets, with the exception of hangers and brackets. Each set consists of one hanger, one center, one intermediate, and one end bracket with proper screws and bolts. Suitable for three door or one track four door installation. Weight, No. 435 x 31 set, 13 lbs.; No. 1035 x 31 set, 14 lbs.



GARAGE DOOR HARDWARE

SlidaSide

Right angle garage door hardware for single door to six-door openings

Slidetite

Sliding folding garage door hardware for two to ten-door openings



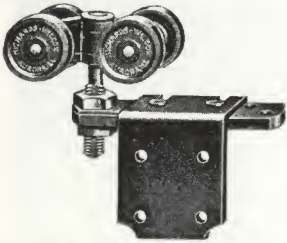
Overhead garage door hardware

Richards-Wilcox

Slide Side

No. 235

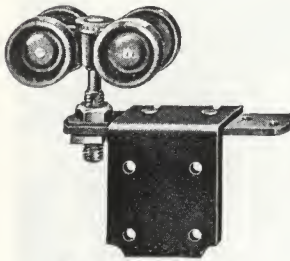
Right Angle Garage Door Hardware



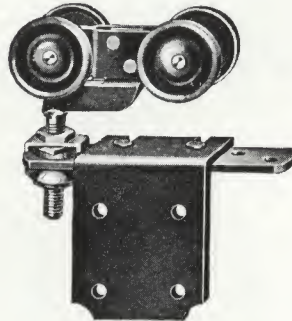
Four-Wheel Hanger
*No. 235-5 for No. 31 Track
*No. 235-9 for No. 232 Track
*No. 235-6 for No. 33 Track



Two-Wheel Hanger
No. 235-3 for No. 31 Track
No. 235-8 for No. 232 Track
No. 235-4 for No. 33 Track



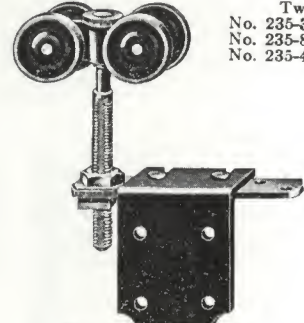
Four-Wheel Hanger
Short Pendant
No. 235-1 for No. 31 Track
No. 235-7 for No. 232 Track
No. 235-2 for No. 33 Track



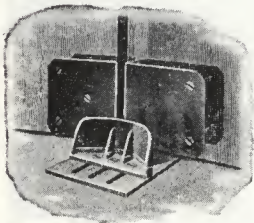
Four-Wheel Hanger
No. 235-23 for No. 31 Track
No. 235-28 for No. 232 Track
No. 235-24 for No. 33 Track



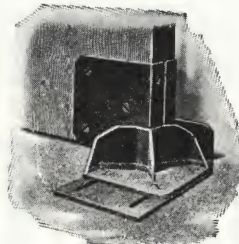
Stay Roller
No. 55



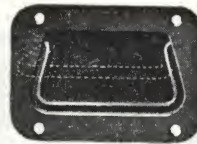
Four-Wheel Hanger
Long Pendant
No. 235-11 for No. 31 Track
No. 235-17 for No. 232 Track
No. 235-12 for No. 33 Track



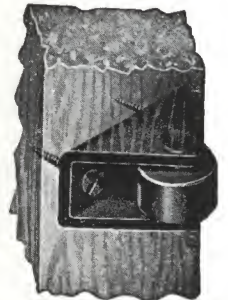
Center Floor Guide No. 271
and Bumper Shoes No. 435-72



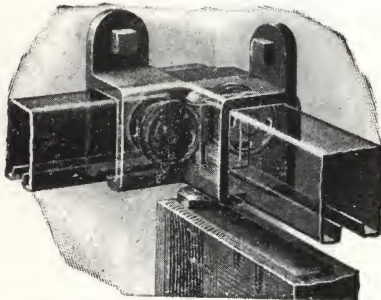
Floor End Stop No. 272 and
Bumper Shoes No. 435-72



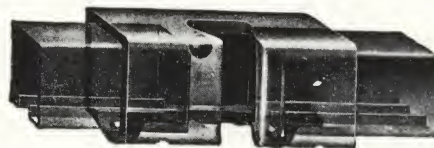
Flush Drop
Handle No. 170



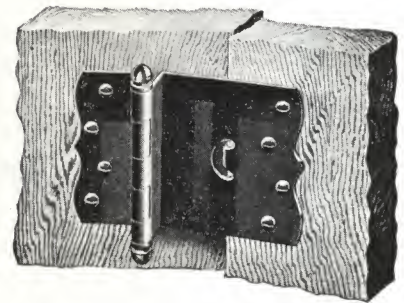
No. 635 Corner Guide Roller



Corner Bracket
No. 235x 31-C
No. 235x232-C
No. 235x 33-C



Slot Bracket
No. 235x 31-S
No. 235x232-S
No. 235x 33-S



Surface Hinge
No. 635



Center Bracket
No. 242-A



Curved Track
Nos. 30 1/4, 31, 232 and 33



Center Stop
Bracket
No. 12x31
No. 12x232
No. 12x33



Center
Bracket
No. 1x31
No. 1x232
No. 1x33



Straight Track
Nos. 30 1/4, 31, 232 and 33



Door Holder
No. 119

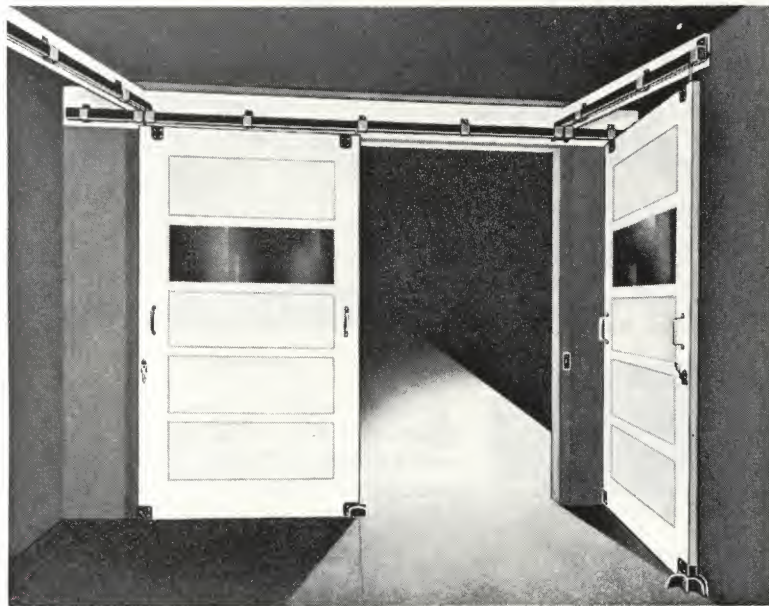


End Bracket
No. 2x31
No. 2x232
No. 2x33



Bow Handle
No. 81

Note—*Knuckle Joint Hangers to run in curved track.



SlidaSide

No. 235

Right Angle Garage Door Hardware

Interior view of garage doorway equipped with No. 235 "BB" Hardware

Hanger Dimensions

Hanger No.	For Track No.	Diameter Wheels, Inches	Bearings in Hanger	Pendant	Top of Door to Bottom of Front Track		Clearance Required Above Bottom of Front Track	
					Minimum Inches	Maximum Inches	Side Wall Bracket, Inches	Ceiling Bracket, Inches
235-1	31	2 1/4	Roller	Short	1 1/4	2 1/4	7	6
235-3	31	2 1/4	Ball	Short	1 1/4	2 1/4	7	6
*235-5	31	2 1/4	Ball	Short	1 1/4	2 1/4	4 1/2	3 1/2
235-11	31	2 1/4	Roller	Long	1 1/4	2 1/4	7	6
235-23	31	2 1/4	Roller	Short	1 1/4	2 1/4	7	6
235-7	232	3	Roller	Short	1 1/4	2 1/4	9 1/2	7 1/2
235-8	232	3	Ball	Short	1 1/4	2 1/4	9 1/2	7 1/2
*235-9	232	3	Ball	Short	1 1/4	3 1/4	5 1/2	4 1/2
235-17	232	3	Roller	Long	1 1/4	3 1/4	9 1/2	7 1/2
235-28	232	3	Roller	Short	1 1/4	3	9 1/2	7 1/2
235-2	33	3	Roller	Short	1 1/4	2 1/4	9 1/2	8 1/4
235-4	33	3	Ball	Short	1 1/4	2 1/4	9 1/2	8 1/4
*235-6	33	3	Ball	Short	1 1/4	3 1/4	6	4 1/4
235-12	33	3	Roller	Long	1 1/4	3 1/4	9 1/2	8 1/4
235-24	33	3	Roller	Short	1 1/4	3	9 1/2	8 1/4

*Knuckle Joint Hanger to run in Curved Track.

Detail of Hardware and Weight List of Parts

DESCRIPTION	Light Weight Hardware using No. 31 Track For Doors Weighing Up to 200 lbs. each		Medium Weight Hardware using No. 232 Track For Doors Weighing Between 200-350 lbs. each		Heavy Weight Hardware using No. 33 Track For Doors Weighing Between 350-600 lbs. each	
	Catalog Number	Shipping Wt., Lbs.	Catalog Number	Shipping Wt., Lbs.	Catalog Number	Shipping Wt., Lbs.
Hangers, each.....	235-1	3 1/4	235-7	7	235-2	7 1/4
Hangers, each.....	*235-3	2 3/4	235-8	5	235-4	6
Hangers, each.....	*235-5	3 3/4	*235-9	8	*235-6	9 1/4
Hangers, each.....	235-11	4	235-17	7	235-12	8
Hangers, each.....	235-23	4	235-28	7 1/4	235-24	8
Brackets, Corner, each.....	235x31-C	7 3/4	235x232-C	12 1/4	235x33-C	17
Brackets, End, each.....	235-2x31	1 1/4	235-2x232	3	235-2x33	4
Brackets, Center, each.....	235-1x31	1 1/4	235-1x232	3	235-1x33	4
Brackets, Center Stop, each.....	235-12x31	3	235-12x232	5 1/4	235-12x33	7 1/4
Center Brackets, each.....	242-A	1/4	242-A	1/4	242-A	1/4
Brackets, Slot, each.....	235x31-S	6	235x232-S	8	235x33-S	8 1/4
Trolley Track, Straight, per foot.....	31	1 1/4	232	2 1/4	33	4
Trolley Track, Curved, per foot.....	31	1 1/4	232	2 1/4	33	4
Hinges, Surface, per pair.....	635-4'	2	635-5'	2	635-5'	2
Flush Drop Handles, each.....	170	1/4	170	1/4	170	1/4
Bow Handles, each.....	81-1	1/4	81-2	1	81-2	1
Center Floor Guides, each.....	271	3	271	3 1/4	271	3
Floor End Stops, each.....	272	2 1/4	272	2 1/4	272	2 1/4
Bumper Shoes, each.....	435-72	1	435-72	1	435-72	1
Stay Rollers, each.....	55	1/4	55	1/4	55	1/4
Door Holder, each.....	119	1/4	119	1/4	119	1/4

*This is a ball-bearing hanger. Hangers not starred are roller-bearing.



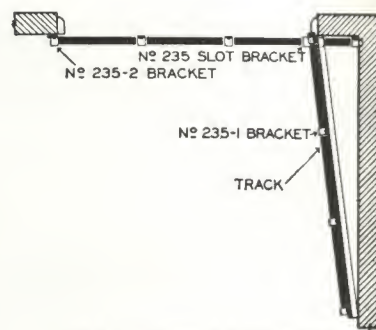
"AA"—Interior view. Door open.

SlidaSide

No. 235 Right Angle Garage Door Hardware

"A" and "AA" Single Door Sets "B" and "BB" Double Door Sets

For Opening Wall Space Between Jambs and Side Walls, with Straight Track and No. 235 Slot Brackets



"AA"—Interior Elevation.

Headroom Required Above Top of Door, not Opening

For No. 31 Track.....	9 inches
For No. 232 Track.....	11 3/8 inches
For No. 33 Track.....	11 3/4 inches



Slot Bracket
No. 235 x 31-S
No. 235 x 232-S
No. 235 x 33-S

Headroom may be decreased 1" on No. 31 Track Equipment or 1 1/4" on Nos. 232 or 33 Track Equipments by using No. 7 style brackets for side track instead of No. 1 style brackets. A further reduction of 5/8" can be secured by sinking the hanger aprons into the top of the door.

Information Table

Sets include complete hardware for set desired together with all Wall Bolts and Screws necessary to erect, plus Locking Bolts as listed:

Light Wght. Hdwe. Using No. 31 Track. For doors weighing up to 200 lbs. each. 1 1/4" to 2 1/4" thick.		Med. Wght. Hdwe. Using No. 232 Track. For doors weighing between 200-350 lbs. 1 1/4" to 2 1/4" thick.		Heavy Wght. Hdwe. Using No. 33 Track. For doors weighing between 350-600 lbs. 1 1/4" to 2 1/4" thick.	
Catalog No.		Catalog No.		Catalog No.	
Single Door Sets	Double Door Sets	Single Door Sets	Double Door Sets	Single Door Sets	Double Door Sets

To Lock Doors From Inside Only, Including No. 524 Cane Bottom Bolts

Opening up to 8' wide.....	235-AA-1831	235-BB-1831	235-AA-18232	235-BB-18232	235-AA-1833	235-BB-1833
Opening 8' 1" to 9' wide.....	235-AA-1931	235-BB-1931	235-AA-19232	235-BB-19232	235-AA-1933	235-BB-1933
Opening 9' 1" to 10' wide.....	235-AA-11031	235-BB-11031	235-AA-110232	235-BB-110232	235-AA-11033	235-BB-11033
Average shipping weight.....	75 lbs.	97 lbs.	112 lbs.	125 lbs.	138 lbs.	180 lbs.

To Lock Doors From Inside Only, Including No. 516 Door Bolts Minimum Lap of Door Over Jamb Is 2 Inches

Opening up to 8' wide.....	235-AA-3831	235-BB-3831	235-AA-38232	235-BB-38232	235-AA-3833	235-BB-3833
Opening 8' 1" to 9' wide.....	235-AA-3931	235-BB-3931	235-AA-39232	235-BB-39232	235-AA-3933	235-BB-3933
Opening 9' 1" to 10' wide.....	235-AA-31031	235-BB-31031	235-AA-310232	235-BB-310232	235-AA-31033	235-BB-31033
Average shipping weight.....	75 lbs.	98 lbs.	112 lbs.	124 lbs.	138 lbs.	179 lbs.

To Lock Doors From Outside on "AA" Sets, One No. 525 Door Lock and to Lock Doors From Inside or Outside on "BB" Sets, One No. 525 Door Lock and One No. 524 Cane Bottom Bolt. Minimum Lap of Door Over Jamb Is 1-1/2 Inches

Opening up to 8' wide.....	235-AA-4831	235-BB-4831	235-AA-48232	235-BB-48232	235-AA-4833	235-BB-4833
Opening 8' 1" to 9' wide.....	235-AA-4931	235-BB-4931	235-AA-49232	235-BB-49232	235-AA-4933	235-BB-4933
Opening 9' 1" to 10' wide.....	235-AA-41031	235-BB-41031	235-AA-410232	235-BB-410232	235-AA-41033	235-BB-41033
Average shipping weight.....	76 lbs.	98 lbs.	112 lbs.	124 lbs.	138 lbs.	180 lbs.

To Lock Doors From Inside or Outside, Including One No. 516 Door Bolt and One No. 525 Door Lock. Minimum Lap Over Jamb Is 2 Inches

Opening up to 8' wide.....	.....	235-BB-6831	.....	235-BB-68232	.....	235-BB-6833
Opening 8' 1" to 9' wide.....	.....	235-BB-6931	.....	235-BB-69232	.....	235-BB-6933
Opening 9' 1" to 10' wide.....	.....	235-BB-61031	.....	235-BB-610232	.....	235-BB-61033
Average shipping weight.....	.....	98 lbs.	.....	124 lbs.	.....	180 lbs.

Notes—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, Expansion Shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, contact home office.

Directions for Ordering Complete Sets

STATE—Catalog Number. Width of opening, number and thickness of doors. Distance door laps on jamb Distance from jamb to side wall.
Always send sketch of floor plan with above dimensions inserted.

Example Order for Complete Sets

One set SlidaSide No. 235-AA-1831.
Opening 8' wide. Door 1-3/4" thick. Door laps on jamb 2". Jamb to side wall 24".

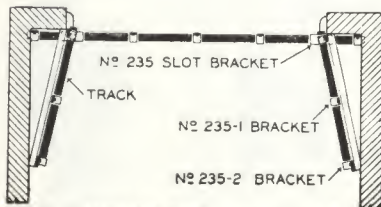
Single Door "A" and Double Door "B" Short Sets

For the convenience of dealers who carry our track, locks and locking bolts in stock, we are in a position to furnish "Short Sets" including all items of a complete set except track, locks and locking bolts. Packed in one box complete for opening 10 feet wide.

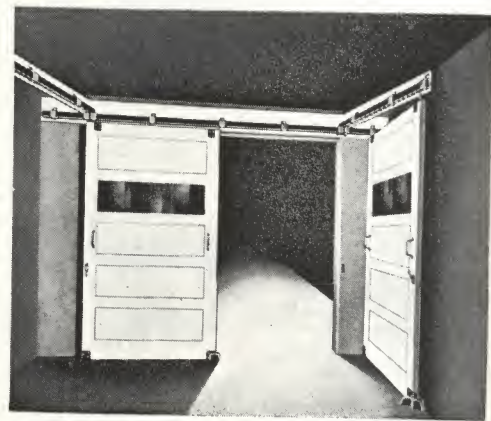
Weight Table—Short Sets

Description	Single Doors		Double Doors	
	Catalog No.	Wght. Lbs.	Catalog No.	Wght. Lbs.
For No. 31 Track	S-235-A-31	32	S-235-B-31	58
For No. 232 Track	S-235-A-232	53	S-235-B-232	90
For No. 33 Track	S-235-A-33	72	S-235-B-33	107

Example Order—1 Set SlidaSide S-235-A-31.



BB—Interior elevation showing proper location and names of 235 Parts for BB-3 Sets, including two 516 Door Bolts.



Interior of garage doorway having double doors equipped with BB hardware. One car garage.

SlidaSide

No. 235 Right Angle Garage Door Hardware

"C" and "CC" Single Door Sets and
"D" and "DD" Double Door Sets

For Opening Adjacent to Side Walls with Straight Track
and No. 235 Patented Corner Brackets

"E" and "EE" Single Door Sets and
"F" and "FF" Double Door Sets

With Curved Corner Track. Minimum Distance
from Jamb to Side Wall, 26 Inches

With Curved Corner Track

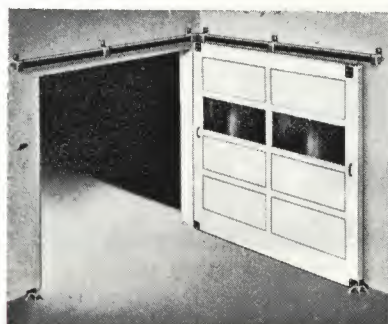
Sets "G" and "GG"

(Two Doors Hinged Together)

Sets "H" and "HH"

(Two Pairs of Doors Hinged Together,
Bi-Parting)

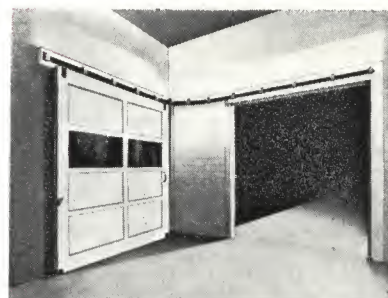
Minimum Distance, Jamb to Side Wall,
26 Inches



"CC" Hardware



"DD" Hardware



"EE" Equipment



"FF" Equipment

Information Table

Sets include complete hardware for set desired together with all
Wall Bolts and Screws necessary to erect, plus Locking Bolts
as listed:

	Light Wght. Hdwe. Using No. 31 Track. For doors weighing up to 200 lbs. each. 1 1/4" to 2 1/4" thick.		Med. Wght. Hdwe. Using No. 232 Track. For doors weighing between 200-350 lbs. 1 1/4" to 2 1/4" thick.		Heavy Wght. Hdwe. Using No. 33 Track. For doors weighing between 350-600 lbs. 1 1/4" to 2 1/4" thick.	
	Catalog No.		Catalog No.		Catalog No.	
	Single Door Sets	Double Door Sets	Single Door Sets	Double Door Sets	Single Door Sets	Double Door Sets
To Lock Doors From Inside Only, Including No. 524 Cane Bottom Bolts						
Opening up to 8' wide.....	235-CC-1831	235-DD-1831	235-CC-18232	235-DD-18232	235-CC-1833	235-DD-1833
Opening 8' 1" to 9' wide.....	235-CC-1931	235-DD-1931	235-CC-19232	235-DD-19232	235-CC-1933	235-DD-1933
Opening 9' 1" to 10' wide.....	235-CC-11031	235-DD-11031	235-CC-110232	235-DD-110232	235-CC-11033	235-DD-11033
Average shipping weight.....	73 lbs.	78 lbs.	112 lbs.	141 lbs.	138 lbs.	157 lbs.
Opening up to 8' wide.....	235-EE-1831	235-FF-1831	235-EE-18232	235-FF-18232	235-EE-1833	235-FF-1833
Opening 8' 1" to 9' wide.....	235-EE-1931	235-FF-1931	235-EE-19232	235-FF-19232	235-EE-1933	235-FF-1933
Opening 9' 1" to 10' wide.....	235-EE-11031	235-FF-11031	235-EE-110232	235-FF-110232	235-EE-11033	235-FF-11033
Average shipping weight.....	70 lbs.	91 lbs.	118 lbs.	153 lbs.	136 lbs.	174 lbs.
Opening up to 8' wide.....	235-GG-1831	235-HH-1831	235-GG-18232	235-HH-18232	235-GG-1833	235-HH-1833
Opening 8' 1" to 9' wide.....	235-GG-1931	.....	235-GG-19232	.....	235-GG-1933	.....
Opening 9' 1" to 10' wide.....	235-GG-11031	.....	235-GG-110232	.....	235-GG-11033	.....
Opening 8' 1" to 10' wide.....	.....	235-HH-11031	.....	235-HH-110232	.....	235-HH-11033
Opening 10' 1" to 12' wide.....	.....	235-HH-11231	.....	235-HH-11232	.....	235-HH-11233
Opening 12' 1" to 14' wide.....	.....	235-HH-11431	.....	235-HH-11432	.....	235-HH-11433
Opening 14' 1" to 16' wide.....	.....	235-HH-11631	.....	235-HH-11632	.....	235-HH-11633
Average shipping weight.....	79 lbs.	117 lbs.	134 lbs.	194 lbs.	153 lbs.	215 lbs.

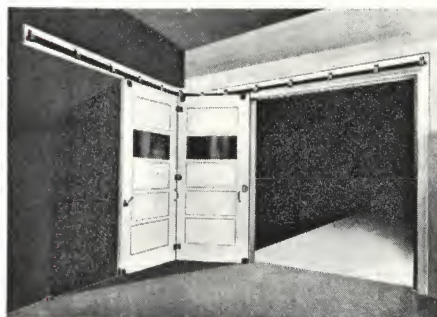
Directions for Ordering Complete Sets

STATE—Catalog number. Width of opening, number and thickness of doors. Distance door laps on jamb. Distance from jamb to side wall.

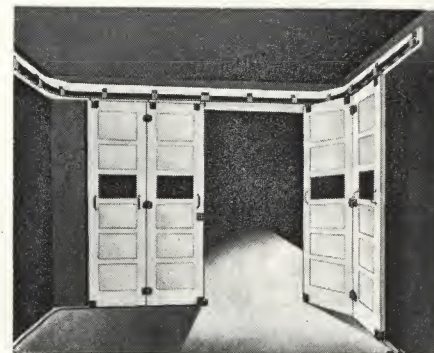
Always send sketch of floor plan with above dimensions inserted.

Example Order for Complete Sets

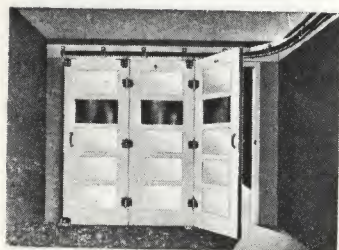
One set SlidaSide Nos. 235-FF-1831
Opening 8' wide. Doors 1-3/4" thick.
Distance between jamb and side wall, 30"
on right side; 28" on left side. Door laps 2"
on jamb.



"GG" Sets



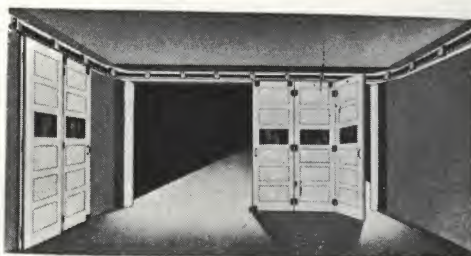
"HH" Sets



3-Door "J" and "JJ" Sets

For three doors hinged together. The door nearest the side of the building toward which the doors slide in opening, is used as an entrance door. The doors may be mounted to slide to the left as shown in the illustration or to slide to the right. The hardware is reversible and can be used in any opening regardless of the distance from the jamb to the side wall, but only sufficient straight track is included in the price of the complete set for a distance from jamb to side wall not exceeding two feet. The radius of the curved track is 24 inches.

SlidaSide No. 235 Right Angle Garage Door Hardware "J" and "JJ" Three-Door Sets "K" and "KK" Six-Door Sets



6-Door "K" and "KK" Sets

Six Doors, Three of which are Hinged Together and Slide to the Right, and Three of which are Hinged Together and Slide to the Left.

The end doors nearest the side of the building toward which the doors slide in opening, are used as entrance doors. The hardware can be used in any opening regardless of the distance from the jamb to the side wall, but only sufficient straight track is included in the price of the complete set for a distance from jamb to side wall not exceeding two feet. The radius of the curved track is 24 inches.

Headroom required above Top of Door, not Opening.

For No. 31 Track 6 3/4 inches
For No. 232 Track 7 1/2 inches
For No. 33 Track 8 1/2 inches

Headroom may be decreased 1/4" on Nos. 31 and 232 Track Equipment and 1/4" on No. 33 Track Equipment, by using No. 7 style ceiling track brackets. A further reduction of 1/4" in headroom may be secured by sinking the hanger aprons into the top of the door.

Information Table

Sets include complete hardware for sets desired together with all Wall Bolts and Screws necessary to erect, plus Locking Bolts as listed:

Light Wght. Hdwe. Using No. 31 Track. For 3-Door Units weighing up to 200 lbs. each. 1 1/4" to 2 1/4" thick.	Med. Wght. Hdwe. Using No. 232 Track. For 3-Door Units weighing between 200-350 lbs. each. 1 1/4" to 2 1/4" thick.	Heavy Wght. Hdwe. Using No. 33 Track. For 3-Door Units weighing between 350-600 lbs. each. 1 1/4" to 2 1/4" thick.
Catalog No.	Catalog No.	Catalog No.
Three-Door Sets	Six-Door Sets	Three-Door Sets

To Lock Doors From Outside Only, Including One No. 835 Locking Bolt

Opening up to 8' wide.	235-JJ-1831	235-JJ-1833	235-JJ-1833
Opening 8' 1" to 9' wide.	235-JJ-1931	235-JJ-1933	235-JJ-1933
Opening 9' 1" to 10' wide.	235-JJ-21031	235-JJ-21033	235-JJ-21033
Average shipping weight.	64 lbs.	101 lbs.	131 lbs.

To Lock Doors From Outside Only, Including One No. 525 Door Lock. Minimum Lap of Door Over Jamb Is 1-1/2 Inches

Opening up to 8' wide.	235-JJ-2831	235-JJ-2833	235-JJ-2833
Opening 8' 1" to 9' wide.	235-JJ-2931	235-JJ-2933	235-JJ-2933
Opening 9' 1" to 10' wide.	235-JJ-21031	235-JJ-21033	235-JJ-21033
Average shipping weight.	66 lbs.	103 lbs.	133 lbs.

To Lock Doors From Outside Only, Including Two No. 835 Locking Bolts

Opening up to 16' wide.	235-KK-11631	235-KK-11633	235-KK-11633
Opening 16' 1" to 18' wide.	235-KK-11831	235-KK-11833	235-KK-11833
Opening 18' 1" to 20' wide.	235-KK-12031	235-KK-12033	235-KK-12033
Average shipping weight.	128 lbs.	202 lbs.	262 lbs.

To Lock Doors From Outside Only, Including Two No. 525 Door Locks. Minimum Lap of Door Over Jamb Is 1-1/2 Inches

Opening up to 16' wide.	235-KK-21631	235-KK-21633	235-KK-21633
Opening 16' 1" to 18' wide.	235-KK-21831	235-KK-21833	235-KK-21833
Opening 18' 1" to 20' wide.	235-KK-22031	235-KK-22033	235-KK-22033
Average shipping weight.	132 lbs.	206 lbs.	266 lbs.

With One No. 516 Door Bolt to Bolt 3 Doors From Inside and One No. 835 Door Bolt to Bolt Doors from Outside. Minimum Lap of Door Over Jamb Is 2 Inches

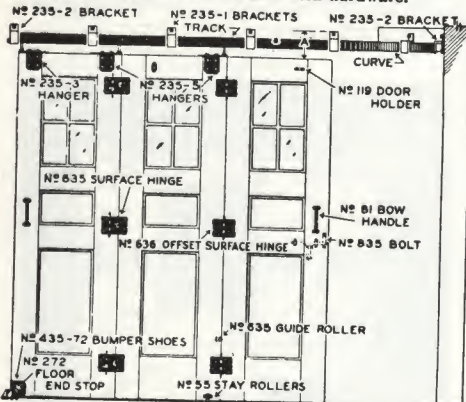
Opening up to 16' wide.	235-KK-31631	235-KK-31633	235-KK-31633
Opening 16' 1" to 18' wide.	235-KK-31831	235-KK-31833	235-KK-31833
Opening 18' 1" to 20' wide.	235-KK-32031	235-KK-32033	235-KK-32033
Average shipping weight.	128 lbs.	202 lbs.	262 lbs.

With One No. 516 Door Bolt to Bolt 3 Doors From Inside and One No. 525 Door Lock to Lock 3 Doors From Outside. Minimum Lap of Door Over Jamb Is 2 Inches

Opening up to 16' wide.	235-KK-41631	235-KK-41633	235-KK-41633
Opening 16' 1" to 18' wide.	235-KK-41831	235-KK-41833	235-KK-41833
Opening 18' 1" to 20' wide.	235-KK-42031	235-KK-42033	235-KK-42033
Average shipping weight.	132 lbs.	206 lbs.	266 lbs.

When "JJ" or "KK" Sets are wanted with Short Lengths of track packed in one box with the rest of the Hardware plus one Lock Joint Bracket, for each Track Joint, predrilled letter "T" to above catalog numbers (T-235-JJ).

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, Expansion Shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.



Interior elevation showing proper location and names of 235 Parts for Set 235-JJ-1931, including one 835 Door Bolt.

Directions for Ordering Complete Sets

STATE—Catalog number. Width of opening, number and thickness of doors. Distance door laps on jamb. Distance from jamb to side wall.

Always send sketch of floor plan with above dimensions inserted.

Example Order for Complete Sets

One Set SlidaSide No. 235-JJ-1831

Opening 8' wide. Doors 1-3/4" thick. Distance between the jamb and side wall toward which doors slide in opening is 16".

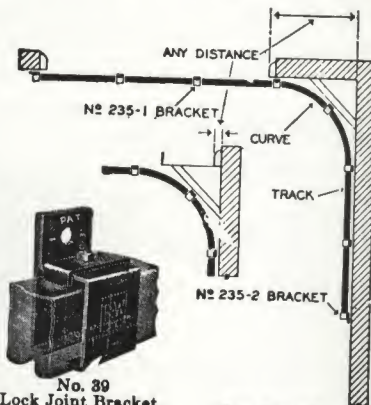
Short Sets

Three-Door Sets "J" and Six-Door Sets "K" (Three Doors hinged together) and "K" (Six Doors, two 2-Door Units Hinged Together)

For the convenience of dealers who carry our track, locks and locking bolts in stock, we are in a position to furnish "Short Sets" including all items of a complete set except track, locks and locking bolts. Packed in one box complete for opening 10' wide for THREE door sets and opening 20' wide for SIX door sets.

Weight Table—Short Sets

Description	Three-Door Catalog No.	Wt., Lbs.	Six-Door Catalog No.	Wt., Lbs.
For No. 31 Track	S235-J-31	44	S235-K-31	88
For No. 232 Track	S235-J-232	73	S235-K-232	146
For No. 33 Track	S235-J-33	84	S235-K-33	168



No. 39 Lock Joint Bracket.

Plan of Track

Large plan shows a front wall extending from the side wall to the doorway, small plan shows doorway adjacent to side wall.

Bolt Spacings for Brackets For *SlidaSide* Sets

Patented

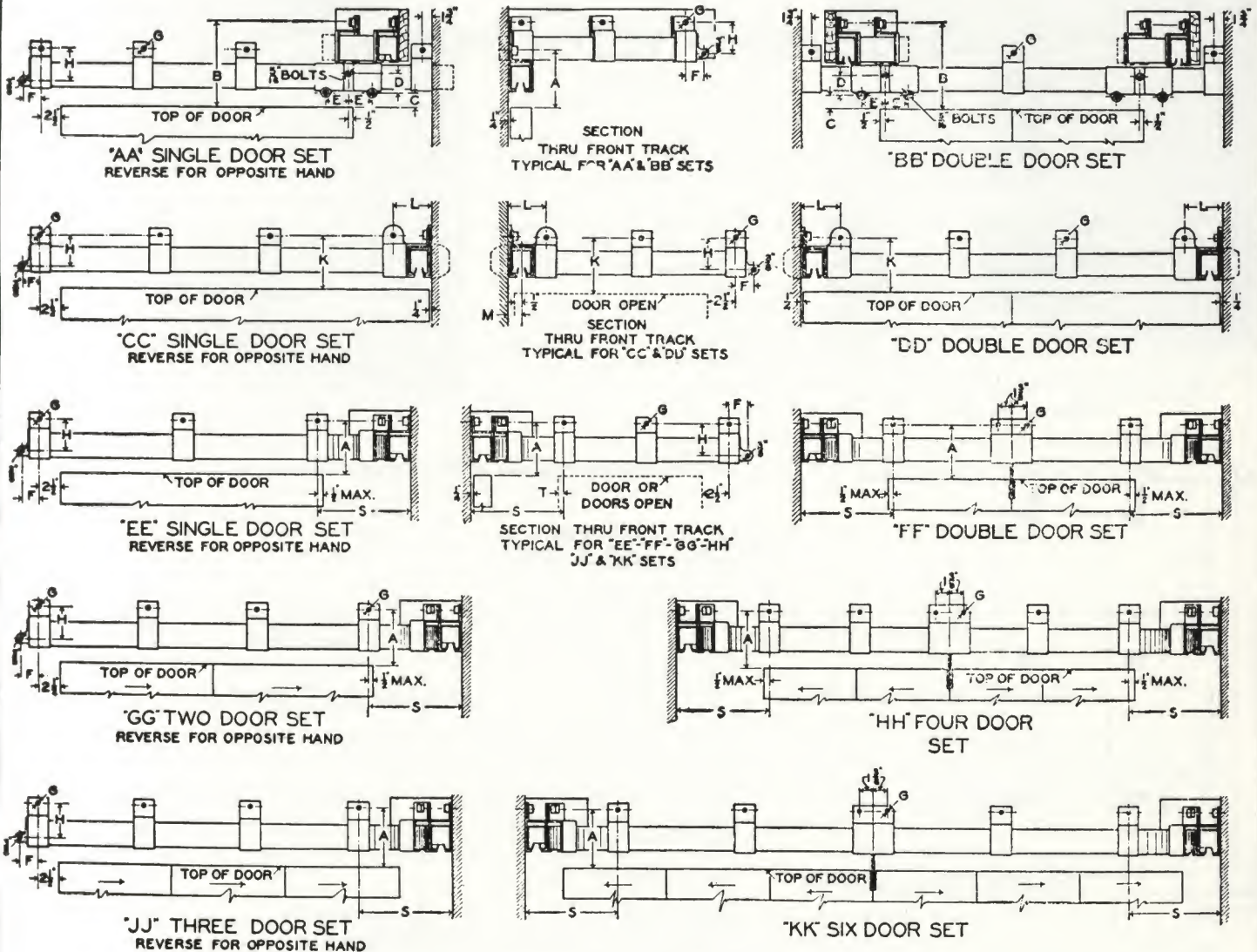
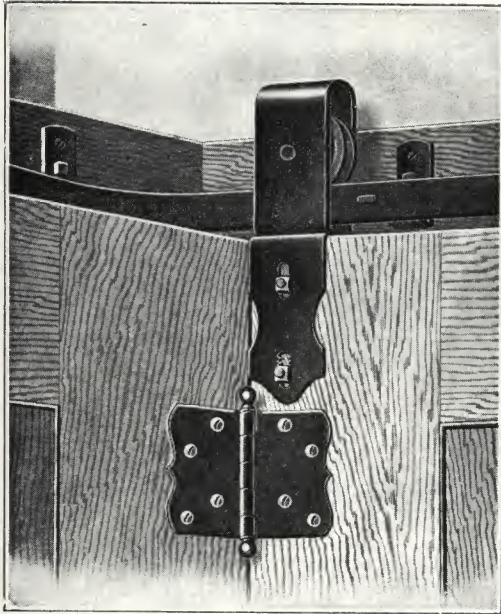


TABLE														
SIZE OF TRACK	A	B	C	D	E	F	G SIZE DOLT	H	K	L	M	S	T FOR EE GG-JJ SETS	T FOR FF HH-JJ SETS
31 & 35	5 $\frac{1}{2}$	8 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	2 $\frac{3}{16}$	5 $\frac{3}{8}$	3 $\frac{3}{4}$	1 $\frac{1}{8}$	25 $\frac{1}{8}$	1 $\frac{1}{2}$	1"
232	6 $\frac{15}{16}$	11 $\frac{1}{16}$	1 $\frac{11}{16}$	3 $\frac{5}{16}$	2 $\frac{7}{16}$	2 $\frac{1}{8}$	5 $\frac{5}{8}$	2 $\frac{7}{8}$	6 $\frac{11}{16}$	3 $\frac{3}{4}$	1 $\frac{7}{8}$	25 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$
33	7 $\frac{1}{4}$	11 $\frac{1}{2}$	1 $\frac{3}{4}$	3 $\frac{1}{2}$	2 $\frac{9}{16}$	2 $\frac{5}{16}$	3 $\frac{3}{4}$	3 $\frac{3}{16}$	7"	4 $\frac{5}{8}$	1 $\frac{5}{8}$	25 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$

NOTE- WHEN WORKING IN MINIMUM HEADROOM
FOR NO. 31 & 35 TRACK A=4 $\frac{3}{4}$ " - B=8" - C=5 $\frac{1}{2}$ " - K=4 $\frac{3}{4}$ "
232 A=6 $\frac{1}{8}$ " - B=10 $\frac{1}{8}$ " - C=1 $\frac{1}{2}$ " - K=5 $\frac{1}{8}$ "
33 A=6 $\frac{1}{4}$ " - B=10 $\frac{1}{4}$ " - C=1" - K=6 $\frac{1}{4}$ "

This data shows bolt spacings for use of architects, engineers, and contractors, so that steel lintels may be punched in the shop, or so that bolts may be built into concrete or masonry lintels.

Nos. 735 and 1735 Flat Track Garage Door Hardware



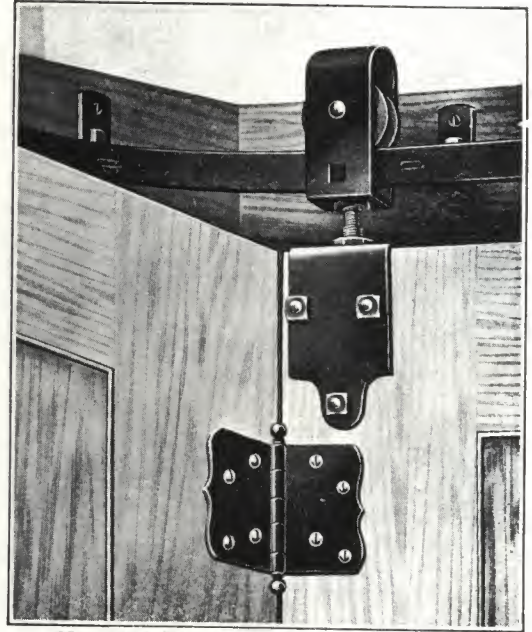
No. 735 Hanger. This will be sent unless otherwise ordered.

For 3, 4, 5 and 6 Door Openings

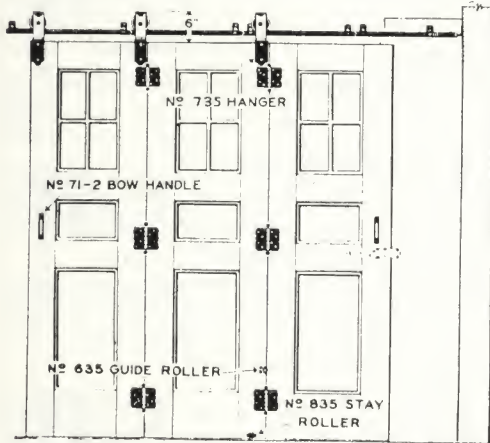
This hardware is intended for light doors from 1 3/4 inches to 2 1/4 inches thick, and not more than 40 inches wide, that run around the corner inside the garage and stand out of the way against the side wall when the doors are open. Provides for entrance door without additional doorway. High class surface hinges furnished with this set.

Hanger apron adjustable for doors 1 3/4 inches to 2 1/4 inches in thickness. Roller Bearing Swivel hanger used with No. 50 track. Hanger cannot jump the track. No. 735 hanger aprons 2 1/4"x6"; No. 1044 hanger aprons, 3 1/2"x6". Finish: Trucks, cadmium plated; aprons, gray enamel.

Headroom required between top of door and top of No. 735 Hanger is 5 3/4 inches. No. 1044 Hanger requires 6 to 7 1/4 inches.



No. 1044 Hanger. Only furnished when specially specified.

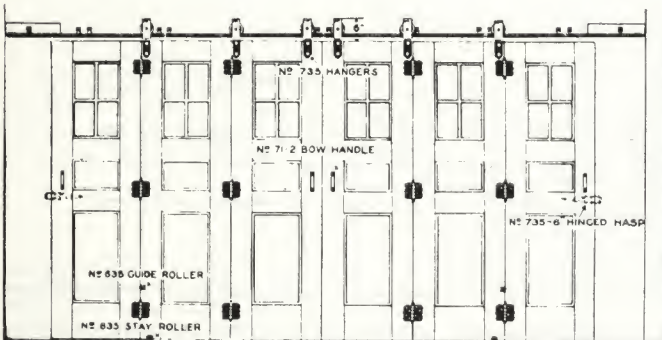


Elevation showing proper application of Set No. 735-8. No. 1735 Hardware is same as No. 735 sets, except the track is in short pieces and is packed in the box.

List and Amount of Hardware Required for 3 Door Sets

Material	No. 735-8 Sets For 8' Openings (Track Bundled)	No. 735-10 Sets For 10' Openings (Track Bundled)
*No. 735 Hangers	3	3
No. 50 Track	2 pieces 4' long 1 piece 8' long	2 pieces 5' long 1 piece 10' long
No. 435—2 1/2" x 4" Surface Hinges	3 pair	3 pair
No. 835 Stay Rollers	2	2
No. 71-1 Bow Handles	2	2
No. 735-6" Hinged Hasp	1	1
No. 635 Guide Roller	1	1
Pkg. Bolts and Screws	1	1
Weight per Set	34 1/2 lbs.	36 1/2 lbs.

*Note—If a hanger with vertical and lateral adjustments is desired specify No. 1044 hanger.



For six door openings, use two sets of 735 or 1735 hardware. Three doors slide to each side wall.

No. 1735 Garage Door Hardware

Note—It will be noticed that the 1735 sets are the same as the 735 sets except that the track in the 1735 sets comes in shorter lengths, including one curved piece, and is packed with special Joint Brackets in the box with the other hardware.

No. 735 Short Sets

Packed 3 hangers with carriage bolts in a box. Weight 8 1/2 lbs. per set.

How to Equip 4, 5 and 6 Door Openings

4-Door Sets	Use one 3-door set, plus 1 1/2 pair of Butts.
5-Door Sets	Use two 3-door sets.
6-Door Sets	Use two 3-door sets.

Slidetite[®]

Garage Door Hardware

The sliding-folding method of opening and closing a series of doors in one opening has long been conceded by authorities as being the most desirable of all methods.

The actual designing and producing of hardware that would stand the gaff, yet permit even large, wide and heavy doors to be operated according to this sliding-folding principle has however been an entirely different matter.

To produce hardware that would be: strong enough to last for years; attractive in appearance; easy to install; of moderate price; yet, handling the doors in an invariable easy, quick and weathertight manner; this has been the aim of engineers and manufacturing concerns for years.

So thoroughly did our engineers and production

experts go into this subject that they at last produced and perfected several groups of equipment which met the varying and stern requirements in every particular.

Slidetite Defined

Slidetite equipment consists of sets of hardware for a series of doors, from 2 to 10 in one opening, so hinged together and suspended at regular intervals by means of hangers running in overhead trolley track that the doors open or close with a sliding-folding movement in such a manner that at all times they occupy a minimum amount of space.

This equipment proved to be so dependable that the word Slidetite was coined by us and applied to it

Slidetite

There are several groups of Slidetite; each group designed especially for some certain situation—and

R-W No. 434 Slidetite

Equipment designed especially to operate heavy industrial doors. It has to withstand the severe service and strains which doors of great weight are subjected to. Railroad shop doors, round-house doors, large doors for warehouses and doors of a like character are handled quickly and easily by this equipment.

R-W No. 435 Slidetite

A popular equipment used on private and public garages where the individual doors weigh from 125 to 200 pounds each and where only ordinary use is made of the doors.

there performing its duty in a more satisfactory way than any other equipment could.

R-W No. 1035 Slidetite

Heavier than the No. 435 equipment and is used on private and public garages especially where the service is frequent and severe. Such parts as are subjected to unusual stress and strain are greatly strengthened.

R-W No. 1335 Slidetite

This type of Slidetite was made specially to take care of the rapid automatic opening of fire station doors. The fast getaway of the department trucks is provided for by a positive quick opening of the doors controlled by the driver as he takes his place in the driver's seat.

Electric Operator

Slidetite lends itself to the adaptation of Electric Control and R-W has perfected an Electric Operator that for long life, easy control, and perfect working leads all others.

See Aut-O-Dor Electric Operator Section in this catalog or send for special catalog.

For Correct "Hand" of R-W Doors See Page 2

Slidetite Garage Hardware Sets—2 to 6-Door Openings

*COMPLETE SETS—DOORS OPENING IN (Hinge Combination No. 1)

For Doors Weighing Lbs.	Using Track No.	Including Bolts No.	2 DOOR SETS FOR OPENINGS UP TO 8 FT. WIDE						3 DOOR SETS FOR OPENINGS UP TO 9 FT. WIDE					
			Standard Service			Heavy Service			Standard Service			Heavy Service		
			Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.
Up to 100 lbs.	31	514-524	435-A2-31	6"	49	1035-A2-31	6"	73	435-A3-31	6"	49	1035-A3-31	6"	94
		517	435-B2-31		56	1035-B2-31		80	435-B3-31		56	1035-B3-31		101
100 to 175	232	514-524	435-A2-232	8 1/4"	105	1035-A2-232	8 1/4"	107	435-A3-232	8 1/4"	120	1035-A3-232	8 1/4"	123
		517	435-B2-232		110	1035-B2-232		113	435-B3-232		126	1035-B3-232		130
175 to 250	33	514-524	435-A2-33	8 1/2"	125	1035-A2-33	8 1/2"	127	435-A3-33	8 1/2"	140	1035-A3-33	8 1/2"	143
		517	435-B2-33		131	1035-B2-33		134	435-B3-33		147	1035-B3-33		150

SHORT SETS (Track and Locking Bolts Omitted)

Up to 100 lbs.	31	NONE	SS435-2-31	6"	31	SS1035-2-31	6"	55	SS435-3-31	6"	31	SS1035-3-31	6"	55
100-175	232		SS435-2-232	8 1/4"	77	SS1035-2-232	8 1/4"	79	SS435-3-232	8 1/4"	72	SS1035-3-232	8 1/4"	79
175-250	33		SS435-2-33	8 1/2"	85	SS1035-2-33	8 1/2"	87	SS435-3-33	8 1/2"	85	SS1035-3-33	8 1/2"	87

*COMPLETE SETS—DOORS OPENING IN (Hinge Combination No. 1)

Up to 100 lbs.	31	514-524	4 DOOR SETS—2 FOLDING EA. WAY FOR OPENING UP TO 12' WIDE						4 DOOR SETS—3 FOLDING ONE WAY FOR OPENING UP TO 12' WIDE					
			Standard Service			Heavy Service			Standard Service			Heavy Service		
			Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.
Up to 100 lbs.	31	514-524	435-A4 1/2-31	6"	84	1035-A4 1/2-31	6"	129	435-A4-31	8 1/4"	53	1035-A4-31	8 1/4"	101
		517	435-B4 1/2-31		97	1035-B4 1/2-31		142	435-B4-31		70	1035-B4-31		115
100 to 175	232	514-524	435-A4 1/2-232	8 1/4"	130	1035-A4 1/2-232	8 1/4"	171	435-A4-232	11 1/4"	90	1035-A4-232	11 1/4"	130
		517	435-B4 1/2-232		144	1035-B4 1/2-232		184	435-B4-232		104	1035-B4-232		144
175 to 250	33	514-524	435-A4 1/2-33	8 1/2"	156	1035-A4 1/2-33	8 1/2"	198	435-A4-33	11 1/2"	109	1035-A4-33	11 1/2"	149
		517	435-B4 1/2-33		170	1035-B4 1/2-33		210	435-B4-33		123	1035-B4-33		163

SHORT SETS (Track and Locking Bolts Omitted)

Up to 100 lbs.	31	NONE	SS435-4 1/2-31	6"	51	SS1035-4 1/2-31	6"	99	SS435-4-31	8 1/4"	37	SS1035-4-31	8 1/4"	82
100-175	232		SS435-4 1/2-232	8 1/4"	80	SS1035-4 1/2-232	8 1/4"	125	SS435-4-232	11 1/4"	63	SS1035-4-232	11 1/4"	103
175-250	33		SS435-4 1/2-33	8 1/2"	95	SS1035-4 1/2-33	8 1/2"	134	SS435-4-33	11 1/2"	80	SS1035-4-33	11 1/2"	119

*COMPLETE SETS—DOORS OPENING IN (Hinge Combination No. 1)

Up to 100 lbs.	31	514-524	5 DOOR SETS FOR OPENINGS UP TO 15 FT. WIDE						6 DOOR SETS FOR OPENINGS UP TO 18 FT. WIDE					
			Standard Service			Heavy Service			Standard Service			Heavy Service		
			Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.	Catalog Number	Hdrm. Req'd	Wgt. Lbs.
Up to 100 lbs.	31	514-524	435-A5-31	8 1/4"	90	1035-A5-31	8 1/4"	135	435-A6-31	8 1/4"	95	1035-A6-31	8 1/4"	140
		517	435-B5-31		103	1035-B5-31		148	435-B6-31		113	1035-B6-31		161
100 to 175	232	514-524	435-A5-232	11 1/4"	140	1035-A5-232	11 1/4"	180	435-A6-232	11 1/4"	145	1035-A6-232	11 1/4"	180
		517	435-B5-232		150	1035-B5-232		192	435-B6-232		165	1035-B6-232		208
175 to 250	33	514-524	435-A5-33	11 1/2"	168	1035-A5-33	11 1/2"	208	435-A6-33	11 1/2"	172	1035-A6-33	11 1/2"	217
		517	435-B5-33		186	1035-B5-33		226	435-B6-33		193	1035-B6-33		238

SHORT SETS (Track and Locking Bolts Omitted)

Up to 100 lbs.	31	NONE	SS435-5-31	8 1/4"	60	SS1035-5-31	8 1/4"	105	SS435-6-31	8 1/4"	61	SS1035-6-31	8 1/4"	106
100-175	232		SS435-5-232	11 1/4"	95	SS1035-5-232	11 1/4"	136	SS435-6-232	11 1/4"	96	SS1035-6-232	11 1/4"	138
175-250	33		SS435-5-33	11 1/2"	100	SS1035-5-33	11 1/2"	144	SS435-6-33	11 1/2"	103	SS1035-6-33	11 1/2"	147

Locking Bolt Combinations

When the letter A is used in any of the catalog numbers as shown it means that No. 514 Spring Top Locking Bolts and No. 524 Cane Bottom Locking Bolts are furnished with the set of hardware.

When the letter B is used it means that No. 517 Cremona Locking Bolts (adjustable for doors up to 9 feet high) are furnished with each set of hardware. If doors are over 9 feet high order extra 18-inch sections of the bolt.

*Hinge Combinations

3 sets of hinges furnished regularly. If extra hinges are required, additional charges will be made.

No. 1—Regular Surface and Jamb Hinges are furnished. This set always furnished unless otherwise ordered.

No. 2—Same as No. 1 except that No. DB-1040 Disk Bearing Hinges are used instead of the Regular Surface Hinges. No. 1040 Hinges can not be used on out-opening sets.

No. 3—Ball-bearing hinges No. BB-1035 at jambs and No. BB-1040 between doors on in-opening sets; but ball-bearing hinges No. BB-1035 at jambs only on out-opening sets. (No. 1040 hinges can not be used on out-opening sets).

Electric Operator

If Electric Operator is to be used, so specify and if so No. 2435 Hanger (page 12) will be required. This Hanger has a horizontal wheel to take the side thrust. No locking bolts are required when doors are controlled by R-W Aut-O-Dor Electric Operator.

Special Notice

THESE COMPLETE SETS CONTAIN all equipment, bolts, screws, etc., necessary to erect.

SETS INCLUDE LAG SCREWS for attaching track brackets. If attachment is to be made to brick or concrete, Expansion Shields should be ordered extra.

LOCATION OF BOLT HOLES AND BRACKET SPACING shown on pages 28-29.

IF DOORS ARE HEAVIER THAN ABOVE use No. 434 Hardware.

Best results are obtained by using doors not more than 3 feet wide. Wider doors require additional track and brackets. Doors must be of equal width.

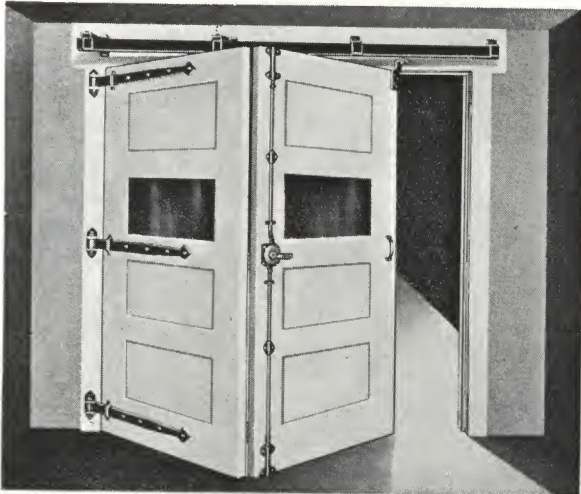
Directions for Ordering Complete Sets

STATE—Number of sets desired, catalog number, and hinge combination number, width and height of opening and thickness of door. Be sure to prefix the letter "O" if Out Opening—see below.

EXAMPLE—1 set No. 1035-A5-31 Hinge Combination No. 1 for opening 15' wide, 8' high, doors 1 1/4" thick.

PREFIXES TO THE CATALOG NUMBER: "O" FOR OUT-OPENING SETS; "SS" FOR SHORT SETS, MUST OF COURSE BE ADDED WHEN SUCH SETS ARE ORDERED.

Slidetite Garage Hardware Sets—2 to 6-Door Openings

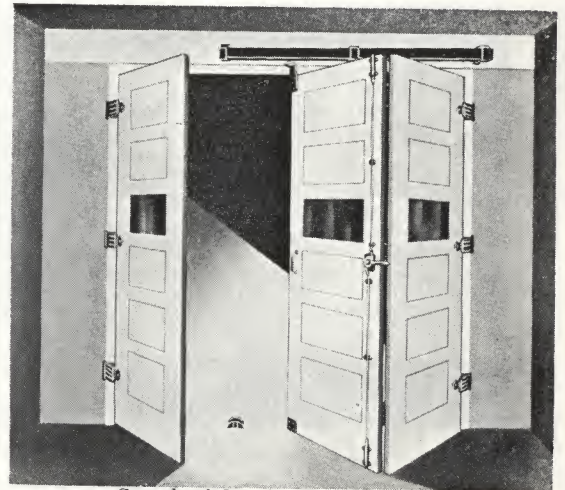


Heavy Service Set No. 1035-B2

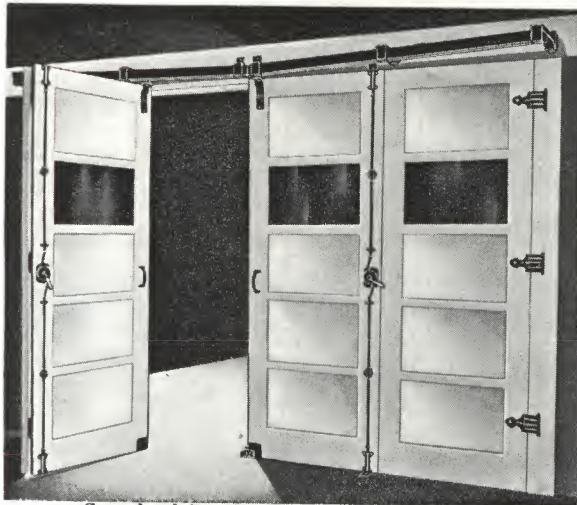
All "A" Sets
include
No. 514-524 Bolts

All "B" Sets
include
No. 517 Cremone Bolts

Out-Opening Sets
are specified by
prefixing the letter
"O"
to the Regular
Set Number

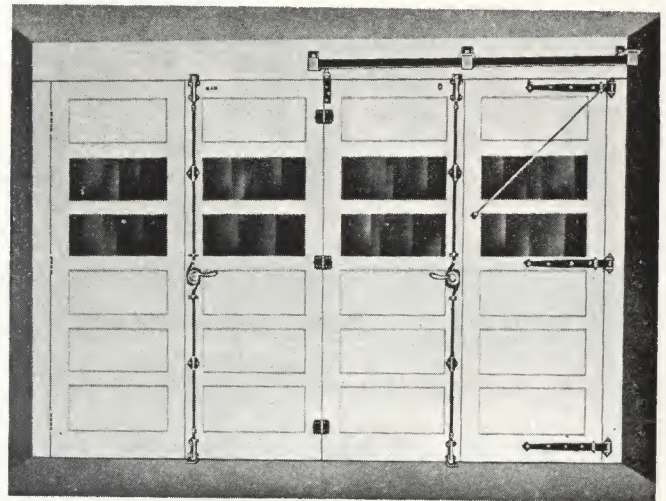


Standard Service Set No. 435-B3

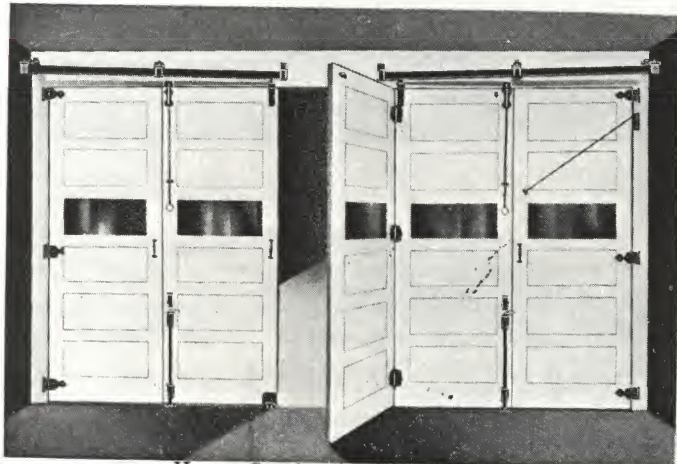


Standard Service Set No. 435-B4-1/2

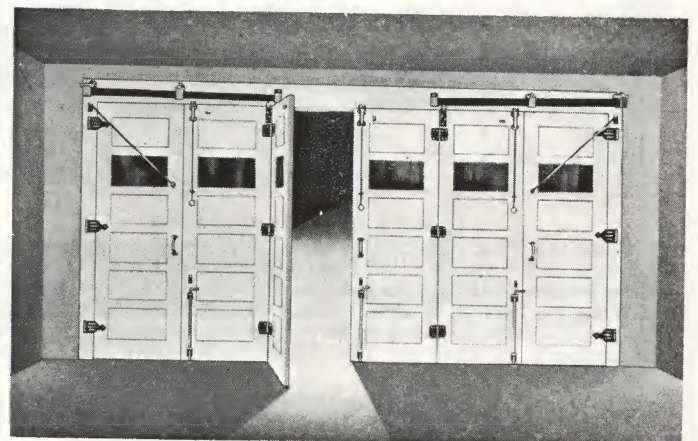
No. of Track
Size (31).
(232) or (33)
is part of
specification



Heavy Service Set No. 1035-B4



Heavy Service Set No. 435-A5



Standard Service Set No. 435-A6

No. 435 Standard Service is a popular priced equipment used on private and public garages where only ordinary use is made of the doors.

No. 1035 Heavy Service type is similar to the above, but has heavier hinges and will withstand the hard usage and abuse given public garage doors and other frequently used Door-Ways.

For doors weighing more than 250 lbs., each, see R-W No. 434 SLIDE-TITE.

Best results are obtained by using doors not more than 3' wide (4' on 2 door set). Doors must be of equal width. See sets illustrated on succeeding

pages for other combinations.

Complete Sets: Include the following hardware: Hangers, Track and Brackets, Jamb Hinges, Surface Hinges, Bow Handles, Locking Bolts, Bumper Shoes, Floor Guides, Floor Angles, Tie Rods. A substantial Latch and a pair of padlock plates are supplied with all sets using a passage door, namely three door, four door one track, five door, six door, seven door, eight door three track, nine door and ten door sets.

Sets also include all screws for attaching to lintel and jambs and all screws and bolts for attaching hardware to doors.

Slidetite Garage Hardware Sets—7 to 10-Door Openings

*COMPLETE SETS—DOORS OPENING IN—(Hinge Combination No. 1)

For Doors Weighing Lbs.	Using Track No.	Including Bolts No.	7 DOOR SETS FOR OPENINGS UP TO 21 FT. WIDE						8 DOOR SETS, 4 FOLDING EACH WAY FOR OPENINGS UP TO 24 FT. WIDE					
			Standard Service			Heavy Service			Standard Service			Heavy Service		
			Catalog Number	Hdrm. Req'd	Wt., Lbs.	Catalog Number	Hdrm. Req'd	Wt., Lbs.	Catalog Number	Hdrm. Req'd	Wt., Lbs.	Catalog Number	Hdrm. Req'd	Wt., Lbs.
Up to 100 lbs.	31	514-524	435-A7-31	9"	170	1035-A7-31	9"	215	435-A8½-31	9"	234	1035-A8½-31	9"	279
		517	435-B7-31		191	1035-B7-31		235	435-B8½-31		262	1035-B8½-31		305
100 to 175	232	514-524	435-A7-232	11"	240	1035-A7-232	11"	282	435-A8½-232	11"	285	1035-A8½-232	11"	330
		517	435-B7-232		262	1035-B7-232		302	435-B8½-232		310	1035-B8½-232		354
175 to 250	33	514-524	435-A7-33	11½"	310	1035-A7-33	11½"	350	435-A8½-33	11½"	375	1035-A8½-33	11½"	423
		517	435-B7-33		330	1035-B7-33		368	435-B8½-33		405	1035-B8½-33		449

SHORT SETS (Track and Locking Bolts Omitted)

Up to 100 lbs.	31	NONE	SS435-7-31	9"	113	SS1035-7-31	9"	158	SS435-8½-31	9"	140	SS1035-8½-31	9"	196
100-175	232		SS435-7-232	11"	148	SS1035-7-232	11"	193	SS435-8½-232	11"	148	SS1035-8½-232	11"	199
175-250	33		SS435-7-33	11½"	181	SS1035-7-33	11½"	226	SS435-8½-33	11½"	196	SS1035-8½-33	11½"	239

*COMPLETE SETS—DOORS OPENING IN—(Hinge Combination No. 1)

For Doors Weighing Lbs.	Using Track No.	Including Bolts No.	8 DOOR SET, 5 FOLDING ONE WAY, FOR OPENING UP TO 24 FT. WIDE						9 DOOR SETS FOR OPENING UP TO 27 FT. WIDE					
			Standard Service			Heavy Service			Standard Service			Heavy Service		
			Catalog Number	Hdrm. Req'd	Wt., Lbs.	Catalog Number	Hdrm. Req'd	Wt., Lbs.	Catalog Number	Hdrm. Req'd	Wt., Lbs.	Catalog Number	Hdrm. Req'd	Wt., Lbs.
Up to 100 lbs.	31	514-524	435-A8-31	9"	177	1035-A8-31	9"	222	435-A9-31	9"	236	1035-A9-31	9"	283
		517	435-B8-31		206	1035-B8-31		250	435-B9-31		264	1035-B9-31		307
100 to 175	232	514-524	435-A8-232	11"	268	1035-A8-232	11"	313	435-A9-232	11"	310	1035-A9-232	11"	350
		517	435-B8-232		300	1035-B8-232		341	435-B9-232		320	1035-B9-232		374
175 to 250	33	514-524	435-A8-33	11½"	340	1035-A8-33	11½"	383	435-A9-33	11½"	382	1035-A9-33	11½"	431
		517	435-B8-33		370	1035-B8-33		411	435-B9-33		410	1035-B9-33		457

SHORT SETS (Track and Locking Bolts Omitted)

Up to 100 lbs.	31	NONE	SS435-8-31	9"	108	SS1035-8-31	9"	161	SS435-9-31	9"	142	SS1035-9-31	9"	200
100-175	232		SS435-8-232	11"	151	SS1035-8-232	11"	220	SS435-9-232	11"	172	SS1035-9-232	11"	229
175-250	33		SS435-8-33	11½"	205	SS1035-8-33	11½"	255	SS435-9-33	11½"	187	SS1035-9-33	11½"	257

*COMPLETE SETS—DOORS OPENING IN—(Hinge Combination No. 1)

For Doors Weighing Lbs.	Using Track No.	Including Bolts No.	10 DOOR SETS FOR OPENINGS UP TO 30 FT. WIDE					
			Standard Service			Heavy Service		
			Catalog Number	Hdrm. Req'd	Wt., Lbs.	Catalog Number	Hdrm. Req'd	Wt., Lbs.
Up to 100 lbs.	31	514-524	435-A10-31	9"	243	1035-A10-31	9"	289
		517	435-B10-31		279	1035-B10-31		312
100 to 175	232	514-524	435-A10-232	11"	312	1035-A10-232	11"	357
		517	435-B10-232		342	1035-B10-232		387
175 to 250	33	514-524	435-A10-33	11½"	400	1035-A10-33	11½"	444
		517	435-B10-33		430	1035-B10-33		476

SHORT SETS (Track and Locking Bolts Omitted)

Up to 100 lbs.	31	NONE	SS435-10-31	9"	145	SS1035-10-31	9"	202
100-175	232		SS435-10-232	11"	165	SS1035-10-232	11"	222
175-250	33		SS435-10-33	11½"	200	SS1035-10-33	11½"	256

Locking Bolt Combinations

When the letter A is used in any of the catalog numbers as shown above it means that No. 514 Spring Top Locking Bolts and No. 524 Cane Bottom Locking Bolts are furnished with the set of hardware.

When the letter B is used it means that No. 517 Cremone Locking Bolts (adjustable for doors up to 9' high) are furnished with each set of hardware. If doors are over 9' high, order extra 18" sections of the bolt.

*Hinge Combinations

3 sets of hinges furnished regularly. If extra hinges are required, additional charges will be made.

No. 1—Regular Surface and Jamb Hinges are furnished. This set always furnished unless otherwise ordered.

No. 2—Same as No. 1 except that No. DB-1040 Disk Bearing Hinges are used instead of the Regular Surface Hinges. No. 1040 Hinges can not be used on out-opening sets.

No. 3—Ball-bearing hinges No. BB-1035 at jambs and No. BB-1040 between doors on in-opening sets; but ball-bearing hinges No. BB-1035 at jambs only on out-opening sets. (No. 1040 hinges can not be used on out-opening sets.)

Special Notice

These Complete Sets Contain all equipment, bolts, screws, etc., necessary to erect, except suspension bolts and rods.

Sets Include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, Expansion Shields should be ordered extra.

Location of Bolt Holes and Bracket Spacing shown on pages 28-29.

Best results are obtained by using doors not more than 3' wide. Wider doors require additional track and brackets. Doors must be of equal width.

Directions for Ordering Complete Sets

State—Number of sets desired, catalog number, width and height of opening and thickness of doors and hinge combination number. Be sure to prefix the letter "O" if Out-Opening—see below.

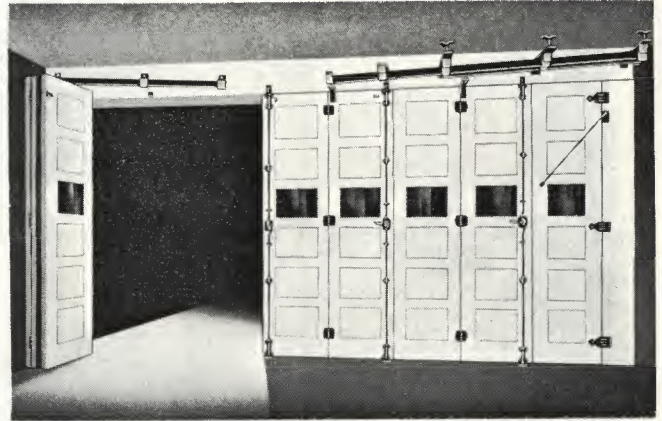
Example—1 set No. 1035-A7-31-Hinge Combination No. 1 for opening 21' wide, 8' high, doors 1¼" thick.

Prefixes to the catalog number: "O" for Out-Opening Sets; "SS" for Short Sets, must of course be added when such sets are ordered.

Slidetite Garage Hardware Sets—7 to 10-Door Openings



Heavy Service In-Opening Set 1035-A7-Hinge Combination No. 1

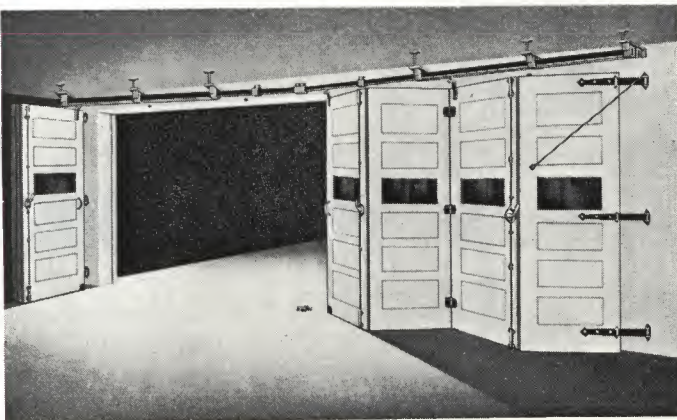


Standard Service In-Opening Set No. 435-B8-Hinge Combination No. 1

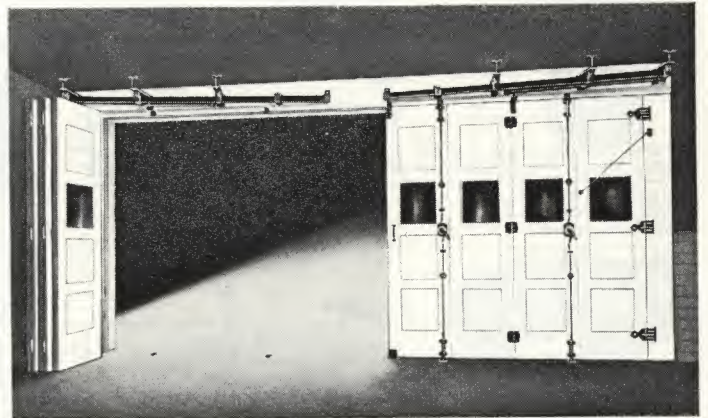
All "A" Sets include No. 514-524 Bolts.

All "B" Sets include No. 517 Cremone Bolts.

"Out-Opening" Sets are specified by prefixing the letter "O."



Heavy Service In-Opening Set 1035-B8½-Hinge Combination No. 1



Standard Service In-Opening Set No. 435-B9-Hinge Combination No. 1

Note the track size (31), (232) or (33) of sets are part of specification.



Heavy Service In-Opening Set 1035-A10-Hinge Combination No. 1

Set No. for set shown at left would read—for 31 size Track as follows:

1 Set 1035-A10-31 Hinge Combination No. 1.

Nos. 435 and 1035 List and Weight of Parts

DESCRIPTION	Light Weight Hardware using No. 31 Track For Doors Weighing up to 100 lbs. each		Medium Weight Hardware using No. 232 Track For Doors Weighing Between 100 to 175 lbs. each		Heavy Weight Hardware using No. 33 Track For Doors Weighing from 175 to 250 lbs. each	
	Catalog Number	Shipping Wt., Lbs.	Catalog Number	Shipping Wt., Lbs.	Catalog Number	Shipping Wt., Lbs.
Hangers, Roller Bearing for In-Opening Doors	*435-1	3 1/2	435-3	7 1/2	435-2	7 1/2
Hangers, Roller Bearing, for Out-Opening Doors, each	**435-21	3 1/2	435-23	7 1/2	435-22	9
Hangers for use with Electric Operator, each	2435-1	3 1/2	2435-3	7	2435-2	9
***Trolley Track, per foot	31	1 1/2	232	2 1/4	33	4
Bow Handles, each	81-1	1/2	81-2	1	81-2	1
Bow Handles, each	91	1/4				
Brackets, Center Track, each	435x31-C	1	435x232-C	2 1/4	435x33-C	4 1/4
Brackets, Intermediate Track, each	435x31-I	3 1/2				
Brackets, End Track, each	435x31-E	5				
Brackets, Joint, each	435x31-J	8	435x232-J	10 1/2	435x33-J	14
Brackets, Second, each	435x31-S	2	1035x232-S	5	1035x33-S	6
Brackets, Double End, each	435x31-DE	11 1/2	435x232-DE	16	435x33-DE	22
Brackets, Double Intermediate, each	435x31-DI	10 1/4	435x232-DI	15	435x33-DI	20
Brackets, End Track, each	1035x31-E	5	1035x232-E	14	1035x33-E	16
Brackets, Intermediate Track, each	1035x31-I	3	1035x232-I	9 1/4	1035x33-I	11
Brackets, Double End, each	1035x31-DE	13 1/4	1035x232-DE	19	1035x33-DE	24
Brackets, Double Intermediate, each	1035x31-DI	12	1035x232-DI	16	1035x33-DI	21
Brackets, Joint, each	1035x31-J	9	1035x232-J	11	1035x33-J	14
Ceiling Clips, each	435x31-CC	1/2	435x232-CC	1	435x33-CC	1
*Hinges, Half Surface Butt, per pair	311-4"x6 1/2"	2 1/2				
*Hinges, Half Surface Butt, per pair	311-4"x8 1/2"	3 1/2				
*Hinges, Half Surface Butt, per pair	311-4"x14"	6 1/2				
Hinges, Butt, per pair	135-4"x4"	1 1/2	135-4 1/2"x4 1/2"	2	135-4 1/2"x4 1/2"	2
Hinges, Surface, per pair	435-2 1/2"x4"	1 1/2	435-3 1/2"x5"	4	435-3 1/2"x5"	4
Hinges, Surface, per pair			435-12"x4"	8 3/4	435-12"x4"	8 1/4
Hinges, Surface, per pair			435-4"x7"	6	435-4"x7"	6
Hinges, Offset Surface, per pair	636-2 1/2"x4"	2	636-3 1/2"x5"	5	636-3 1/2"x5"	5
Hinges, Offset Surface, per pair			636-4"x7"	6 1/2	636-4"x7"	6 1/2
Hinges, Offset Surface, per pair			636-12"x4"	9 1/4	636-12"x4"	9 1/4
**Hinges, Offset Surface, per pair	836-2 1/2"x4"	2	836-3 1/2"x5"	5	836-3 1/2"x5"	5
**Hinges, Offset Surface, per pair			836-4"x7"	7 1/4	836-4"x7"	7 1/4
**Hinges, Offset Surface, per pair			836-12"x4"	9 1/4	836-12"x4"	9 1/4
Hinges, Offset Surface, per pair	1035-19"x2 1/2"	12	1035-19"x2 1/2"	12	1035-19"x2 1/2"	12
	1035-24"x2 1/2"	14	1035-24"x2 1/2"	14	1035-24"x2 1/2"	14
	1035-30"x2 1/2"	16	1035-30"x2 1/2"	16	1035-30"x2 1/2"	16
	1035-36"x2 1/2"	18	1035-36"x2 1/2"	18	1035-36"x2 1/2"	18
Hinges, Reversible Pintle, per pair	1039-10"x2 1/2"	3 1/2				
Hinges, Double Strap Surface, per pair	1040-15"x2 1/2"	10	1040-15"x2 1/2"	10	1040-15"x2 1/2"	10
Center Floor Guides, each	271	3	271	3	271	3
Center Floor Guides, each	771	9	771	9	771	9
Bumper Shoes, each	435-72	1/2	435-72	1/2	435-72	1/2
Door Holders, each	119	1/4	119	1/4	119	1/4
Tie Rod	435-10	1 1/4	435-10	1 1/4	435-10	1 1/4

*Used only on in-opening doors.

**For doors opening outside only.

***Length of pieces determined by size of openings.

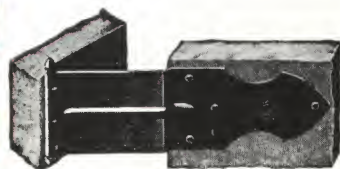


Pages 172-187
Illustrate Other
Major Products
Made by R-W . . .
Doors, Conveyors, Operators, Etc.

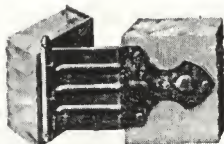


Surface Hinge
No. 435-12" x 4"

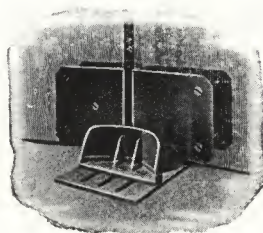
No. 119
Door Holder



Half Surface Butt, 311-4"x14"



Half Surface Butt
311-4" x 8 1/2"
311-4" x 6 1/2"



271 Center Floor Guide
and 435-72 Bumper Shoes



Nos.
435-1,
435-2,
435-3,
Hanger
for
In-Opening
Doors



Butt Hinge
135-4" x 4"
135-5" x 5"



Surface Hinge
435-2 1/2" x 4"
435-3 1/2" x 5"
435-4" x 7"

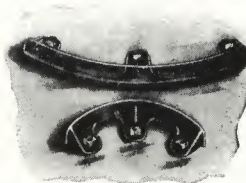


Offset
Surface Hinge
636-2 1/2" x 4"
636-3 1/2" x 5"
636-4" x 7"



Offset
Surface Hinge
836-2 1/2" x 4"
836-3 1/2" x 5"
836-4" x 7"

771
Center
Floor
Guide
used
with
Electric
Door
Operators



Tie
Rod



Offset Surface Hinge 636-12" x 4"



No. 91
Bow
Handle



31, 232 and 33 Straight Lock Joint Trolley Track



Nos.
435-21,
435-22,
435-23,
Special
Hanger
for
Out-Opening
Doors



Offset Surface Hinge 836-12" x 4"



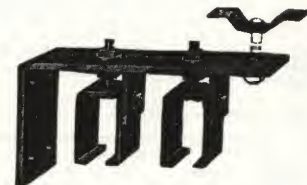
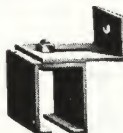
No. 81-1, -2
Bow Handle

Center Bracket



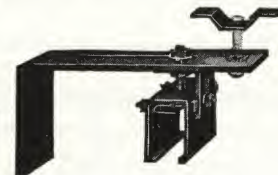
Double End Bracket

Second Bracket



Double Intermediate Bracket

Intermediate Bracket



Joint Bracket

End Bracket



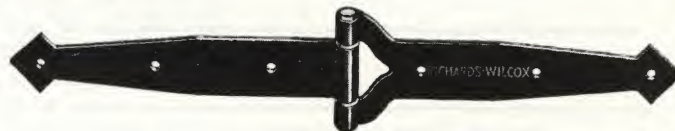
No.
2435
Hanger
for use
with
Electric
Door
Operators



Offset Surface Hinge
1035-19" x 2 1/2" 1035-30" x 2 1/2"
1035-24" x 2 1/2" 1035-36" x 2 1/2"



No. 1039 Reversible Pintle Hinge

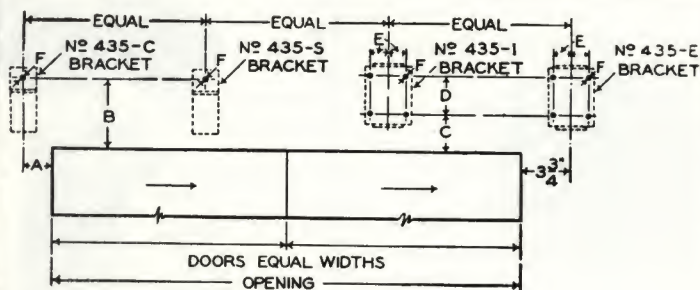


No. 1040 Double Strap Surface Hinge

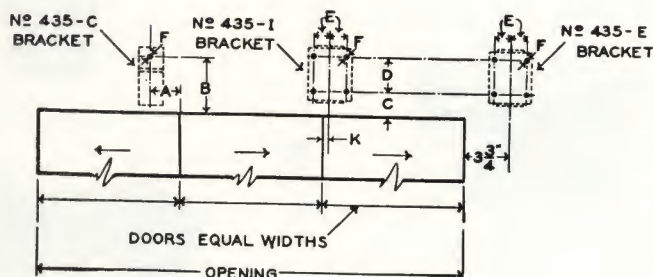
Bolt Spacings for Brackets

For Slidetite 435 and 1035 Two to Six-Door Sets

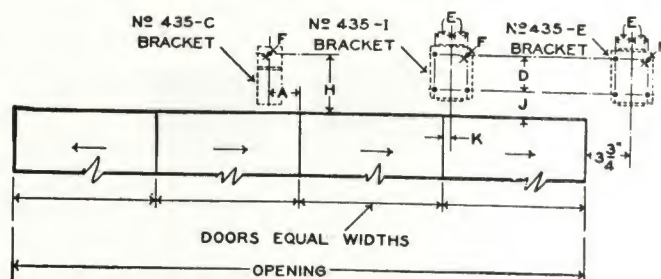
This data shows bolt spacings for use of architects, engineers, and contractors, so that steel lintels may be punched in the shop, or so that bolts may be built into concrete or masonry lintels.



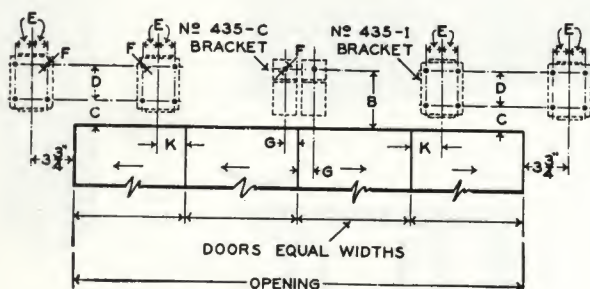
TWO DOOR SET
REVERSE FOR OPPOSITE HAND



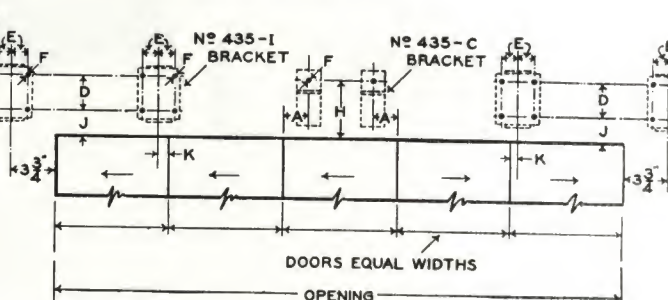
THREE DOOR SET
REVERSE FOR OPPOSITE HAND



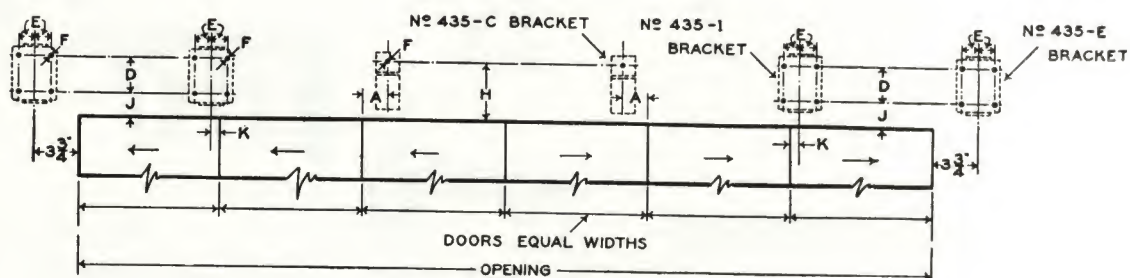
FOUR DOOR SET
ONE TRACK
REVERSE FOR OPPOSITE HAND



FOUR DOOR SET
TWO TRACK



FIVE DOOR SET



SIX DOOR SET

TABLE

Size of Track	A	B	C	D	E	F Size of Bolt	G	H	J	K
31 & 35	2 1/8"	5 1/4"	2 1/2"	3 "	1 3/8"	3/8"	1 1/4"	7 1/4"	4 1/2"	1 3/4"
232	2 3/4"	7 "	2 1/2"	4 1/8"	2 5/8"	1/2"	1 3/8"	10 "	5 1/2"	3 1/2"
33	2 3/8"	7 "	2 1/8"	4 1/8"	2 5/8"	1/2"	1 3/4"	10 "	5 1/2"	3 1/2"

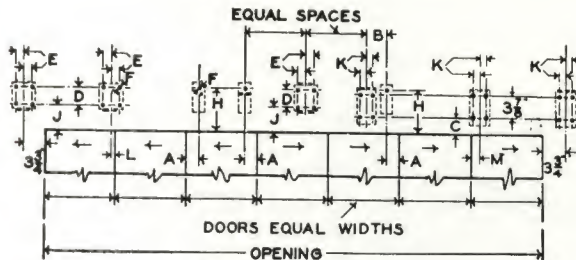
Note—When working in minimum headroom
For No. 31 Track B=4 1/8" C=1 3/4" H=6 1/8" J=3 3/4"
For No. 232 & 33 Track B=6 1/2" C=1 1/2" H=9 3/8" J=4 3/4"

Special Note—Dimensions B and C, above, increase 3/4" when Aut-O-Dor Electric Operator is used.

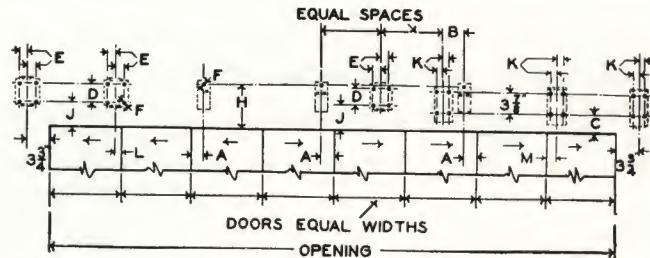
Bolt Spacings for Brackets

For Slidetite 435 and 1035 Seven to Ten-Door Sets

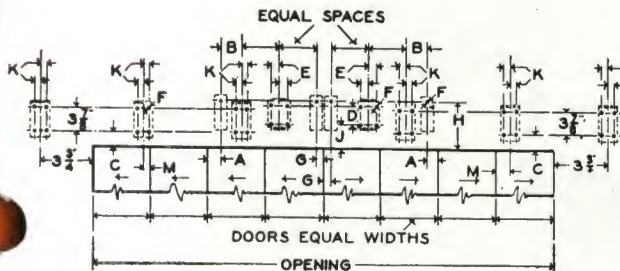
This data shows bolt spacings for use of architects, engineers, and contractors, so that steel lintels may be punched in the shop, or so that bolts may be built into concrete or masonry lintels.



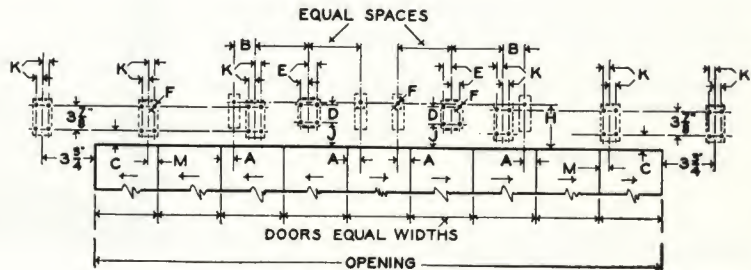
SEVEN DOOR SET
REVERSE FOR OPPOSITE HAND



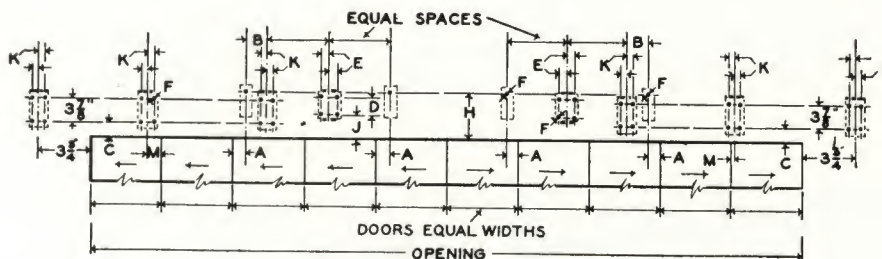
EIGHT DOOR SET
THREE TRACK
REVERSE FOR OPPOSITE HAND



EIGHT DOOR SET
FOUR TRACK



NINE DOOR SET



TEN DOOR SET

TABLE											
SIZE OF TRACK	A	B	C	D	E	F SIZE BOLT	G	H	J	K	L M
31 & 35	2 1/8"	3 1/2"	3 1/4"	3"	1 3/8"	3/8"	1 1/4"	7 1/4"	4 3/4"	1"	1 1/2" 1 1/2"
232	2 3/4"	4"	5 1/4"	4 7/8"	2 13/16"	1/2"	1 5/8"	10"	5 1/2"	1"	3 1/2" 1 1/2"
33	2 5/8"	4 1/2"	5 5/8"	4 7/8"	2 13/16"	1/2"	1 3/4"	10 5/8"	5 5/8"	1 1/4"	3 1/2" 2"

NOTE:- WHEN WORKING IN MINIMUM HEADROOM
 FOR NO. 31 & 35 TRACK - C = 2 1/2" H = 6 1/2" J = 4"
 " " 232 " - C = 4 1/2" H = 9 1/2" J = 4 1/2"
 " " 33 " - C = 5" H = 9 3/4" J = 5"

No. 999-1 Garage Door Hardware

●Use

For single piece overhead garage doors or two doors fastened together to form a single piece door.

●No. 999-1

For single piece overhead door or two doors fastened together forming a single door weighing up to 200 lbs.

This set includes stiffener angles to help make door more rigid and to prevent sag. Openings not over 9' wide nor over 8' high.

Weight per set, 95 lbs.

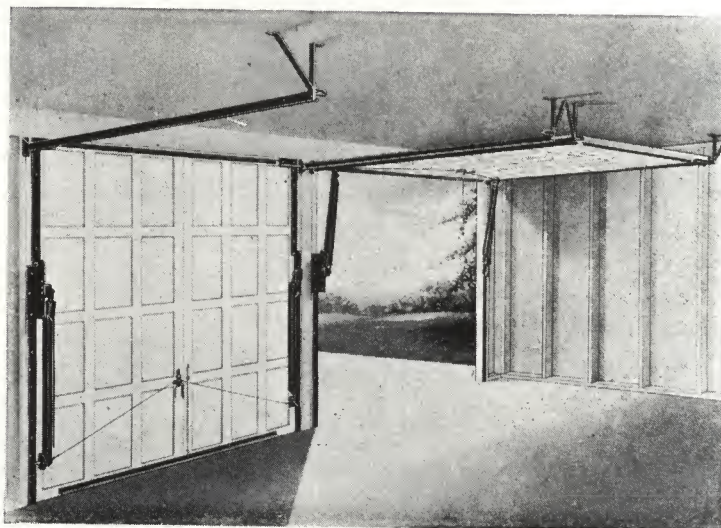
●Clearance Requirements

2-1/8" side room on each jamb.

1" above top of doorway.

●Packed

Complete set in box with instructions.



No. 999-1



Adjustable Rollers

Construction Features

●Adjustable Rollers

Top rollers automatically shiftable in brackets to compensate for unequal spacing of tracks. Full ball bearing.

Rollers, 1-7/8" diameter.

Finish, cadmium plated.

No. 999-1 Garage Door Hardware



Substantial Lock



Spring Counterbalance

•Tamper-Proof Lock

Substantial lock for longer wear. Outside handle with spindle and lock cylinder is separate for ease of installation and maintenance. Lock case on inside of door receives spindle and cylinder. Can be locked from both sides of door.

•Adjustable Spring Counterbalance

Door counterbalanced by springs so adjustable, door will be in almost perfect balance in any position. Properly adjusted springs permit door to rise to full open position after slight start.

•Weatherstrips

Steel weatherstrips provided for both vertical edges of door. Jamb brackets interlock with lower end of upper weatherstrip near center of door to hold door firmly to wall.



**Yes We Make One
of the Finest
Panic Bolts . . .
For Single or Double
Door Openings
See Pages 114-115**

Parallel Sliding Garage Door Hardware

Through the many years of solving doorway problems many methods of hanging and sliding doors have come and gone. Parallel sliding doors erected many years ago are still operating and giving perfect trouble-free service.

Builders and contractors who pride themselves on quality say that parallel hung doors are subject to less abuse and stay in adjustment better, making for longer, better service. The erection costs are minor compared to many other types of doors, and once erected, stay erected.

The advantages of using parallel sliding doors for

garages are:

- (1) Parallel doors "stay inside of the garage," thus protecting the supporting hardware;
- (2) The wind cannot maul them around and they require practically no extra room in which to operate;
- (3) Parallel doors operate smoothly and easily and are absolutely dependable year after year, and
- (4) Parallel doors adapt themselves to 2 or 3 car garages as well as to buildings having long series of parallel hung doors.

Parallel Sliding Garage Door Hardware can be arranged to handle doors as described and illustrated below and on the following pages.

Plan A is an arrangement of two doors on two parallel tracks and is particularly suitable for a two-car garage.

Plan B, an arrangement of three doors on two tracks, admits opening any one of the three doors as shown on the following page and is an economical plan where not more than one door is required to be open at any one time.

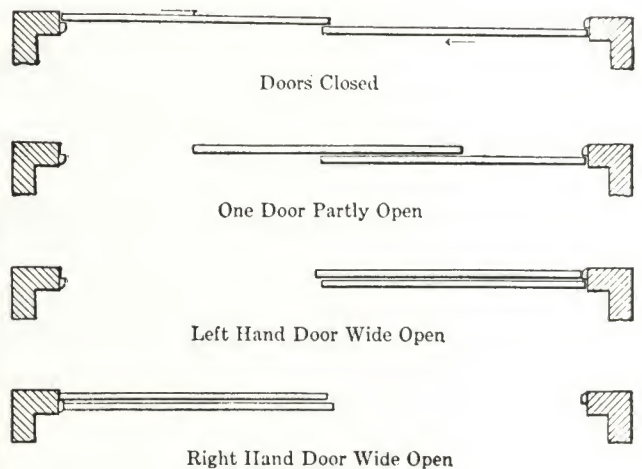
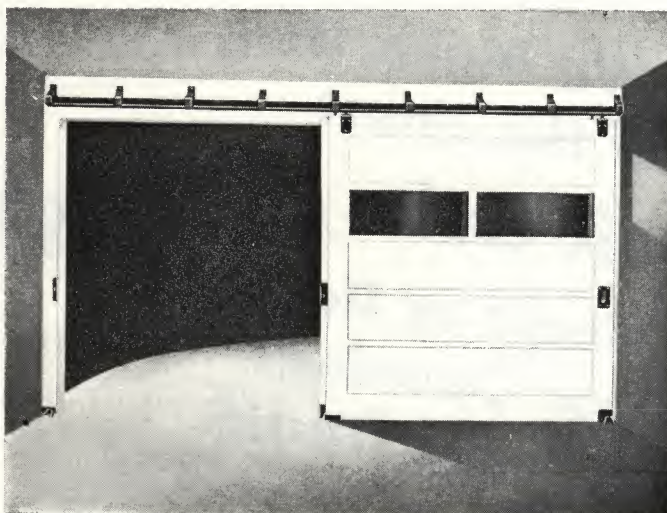
Plan C arranges three doors on three tracks and is designed to permit opening two of the three doors at one and the same time.

The doors in any of these plans are suspended by sidewall or overhead attachment as shown in the details of types 4, 5 and 6 on the following page.

Although it is preferable to use track with weather-strip because of weather tightness, it is furnished with or without weatherstrip, the details of which are shown on pages 34 and 35.

Door hangers with either ball or roller bearing and vertical or lateral adjustment can be supplied.

Plan A—Two Doors Sliding from Jamb to Jamb on Two Parallel Tracks

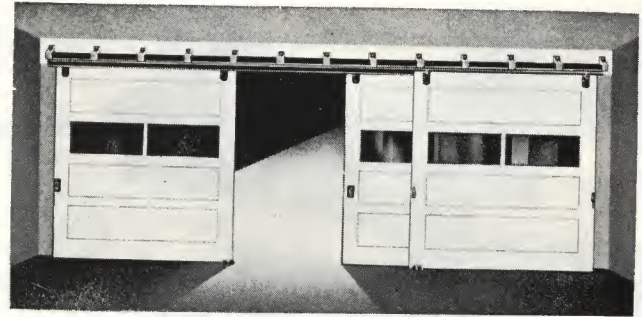
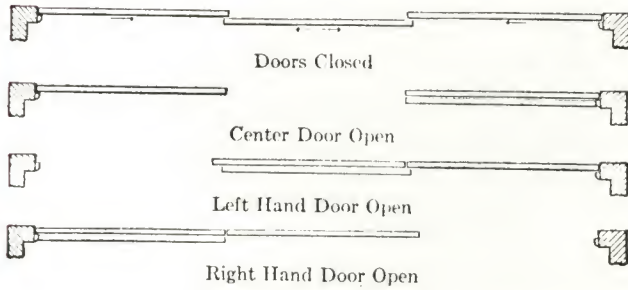


With Weatherstrips

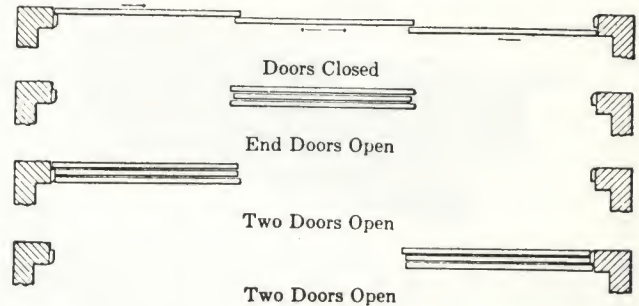
Parallel Sliding Garage Door Hardware

With Weatherstrips

Made in Four Sizes of Track, for Doors Weighing up to 800 lbs.
Plan B—Three Doors Sliding from Jamb to Jamb on Two Parallel Tracks
Sets Do Not Include Hangers



Plan C—Three Doors Sliding from Jamb to Jamb on Three Parallel Tracks



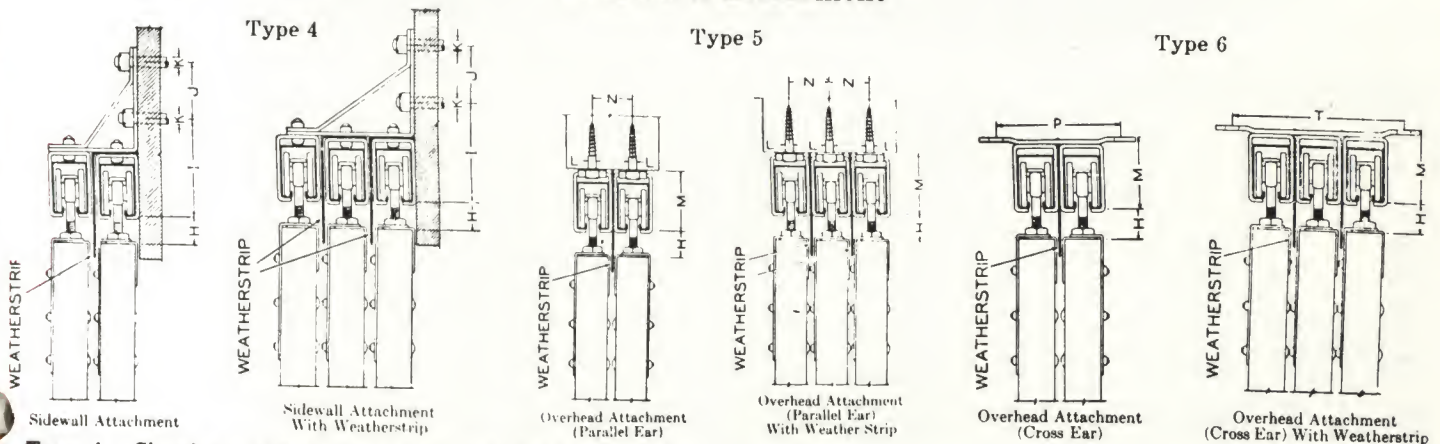
For Plan

Locking Combinations

A	For locking both doors from inside and outside use.....	2 *No. 510 Locks	Wall Attachment	2 No. 525 Locks
	For locking one door from inside only and one door from inside and outside.....	1 No. 516 Bolt *and 1 No. 510 Lock or 1 No. 524 Cane Bolt *and 1 No. 510 Lock	Overhead Attachment	1 No. 524 Cane Bolt and 1 No. 525 Lock
B	For locking two end doors from inside and outside and center door from inside only.....	2 *No. 510 Locks and 1 No. 524 Cane Bolt	Wall Attachment	2 No. 525 Locks and 1 No. 524 Bolt
	For locking one end door from inside and outside and two doors from inside only.....	1 *No. 510 Lock and 1 No. 524 Cane Bolt and 1 No. 516 Bolt	Overhead Attachment	1 No. 525 Lock and 1 No. 524 Cane Bolt and 1 No. 516 Bolt
C	†For locking all doors from inside only.....	1 *No. 510 Lock and 2 No. 516 Bolts	Overhead Attachment	2 No. 516 Bolts
	For locking doors mounted on tracks with wall brackets, 2 *No. 510 Locks and 1 No. 516 Door Bolt; or 1 *No. 510 Lock, 1 No. 516 Door Bolt and 1 No. 524 Cane Bolt. All of the above locks are operated from inside and outside.	2 *No. 510 Locks and 1 No. 516 Bolt	Overhead Attachment	2 No. 516 Bolts

Note—*No. 525 Locks may be substituted if desired, but jamb strips flush with the face of the door must be provided. †The lock may be omitted and only the bolts used, if jamb strips flush with the face of the door are provided at both ends of the opening.

Methods of Attachment



Type 4. Showing suspension of tracks by side wall brackets; the most popular and regularly used type of attachment.

Type 5. Showing suspension by overhead parallel ear brackets where installation under the lintel or to an overhead beam is preferred.

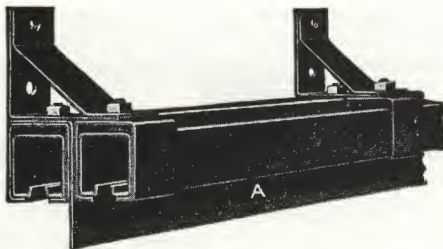
preferred.

Type 6. Showing suspension by overhead cross-ear brackets used where lintel or overhead beam is wide enough.

Note—For dimensions of above cross sections, see pages 34 and 35.

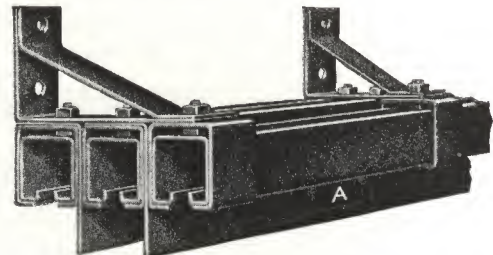
Parallel Sliding Garage Door Hardware

Track, Bracket and Weatherstrip Assemblies



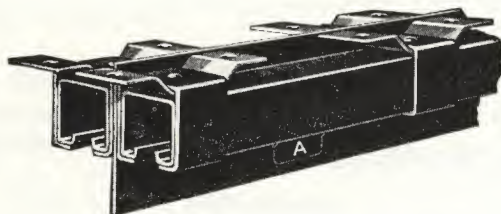
Sets Do Not
Include Hangers

Side Wall Attachment



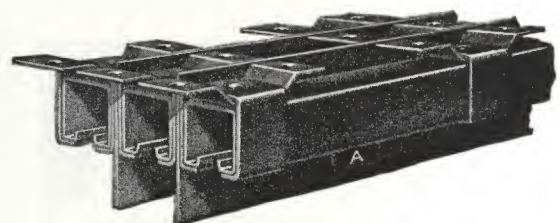
No. 256-2 Two-Trk. Assm. using 31 trk. Wt. per ft. 8 1/4 lbs.
No. 257-2 Two-Trk. Assm. using 32 trk. Wt. per ft. 9 1/2 lbs.
No. 258-2 Two-Trk. Assm. using 33 trk. Wt. per ft. 14 1/4 lbs.
No. 259-2 Two-Trk. Assm. using 232 trk. Wt. per ft. 12 1/4 lbs.

No. 256-3 Three-Trk. Assm. using 31 trk. Wt. per ft. 14 1/2 lbs.
No. 257-3 Three-Trk. Assm. using 32 trk. Wt. per ft. 15 1/2 lbs.
No. 258-3 Three-Trk. Assm. using 33 trk. Wt. per ft. 23 1/2 lbs.
No. 259-3 Three-Trk. Assm. using 232 trk. Wt. per ft. 20 1/4 lbs.



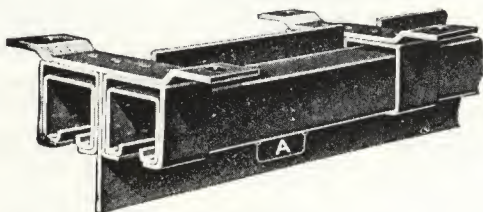
Overhead
Attachment

Parallel Ear
Attachment



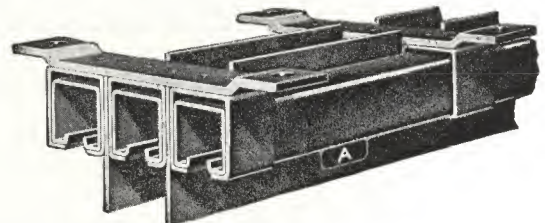
No. 356-2 Two-Trk. Assm. using 31 trk. Wt. per ft. 7 lbs.
No. 357-2 Two-Trk. Assm. using 32 trk. Wt. per ft. 8 lbs.
No. 358-2 Two-Trk. Assm. using 33 trk. Wt. per ft. 13 lbs.
No. 359-2 Two-Trk. Assm. using 232 trk. Wt. per ft. 11 lbs.

No. 356-3 Three-Trk. Assm. using 31 trk. Wt. per ft. 12 lbs.
No. 357-3 Three-Trk. Assm. using 32 trk. Wt. per ft. 13 lbs.
No. 358-3 Three-Trk. Assm. using 33 trk. Wt. per ft. 22 lbs.
No. 359-3 Three-Trk. Assm. using 232 trk. Wt. per ft. 19 lbs.



Overhead
Attachment

Cross Ear
Attachment



No. 556-2 Two-Trk. Assm. using 31 trk. Wt. per ft. 7 1/2 lbs.
No. 557-2 Two-Trk. Assm. using 32 trk. Wt. per ft. 9 lbs.
No. 558-2 Two-Trk. Assm. using 33 trk. Wt. per ft. 14 1/2 lbs.
No. 559-2 Two-Trk. Assm. using 232 trk. Wt. per ft. 12 lbs.

No. 556-3 Three-Trk. Assm. using 31 trk. Wt. per ft. 12 1/2 lbs.
No. 557-3 Three-Trk. Assm. using 32 trk. Wt. per ft. 14 lbs.
No. 558-3 Three-Trk. Assm. using 33 trk. Wt. per ft. 23 1/2 lbs.
No. 559-3 Three-Trk. Assm. using 232 trk. Wt. per ft. 20 lbs.

List and Specifications of Door Hangers for Parallel Sliding Garage Door Hardware

Roller-Bearing Hangers, packed with- out track brackets.		Ball-Bearing Hangers, packed with- out track brackets.		Track No.	For doors weigh- ing, Lbs.	Thick- ness of doors	Dimensions Apply to All Cross-Sectional Runs of Parallel Tracks												
No.	Per Pair	No.	Per Pair				"H" for Roller- Bearing Hangers		"H" for Ball- Bearing Hangers		I	J	Diameter of bracket bolt		M	*N	O	P	T
	Shipping Wt., Lbs.		Shipping Wt., Lbs.				Mini- mum	Maxi- mum	Mini- mum	Maxi- mum			K	L					
20-2	8	20 1/4 B	6 1/2	31	300	1 1/4-2 1/4"	1 1/4"	2 1/4"	7/8"	2 1/8"	4 3/4"	2 3/4"	1 1/4"	1 1/4"	3 1/4"	2 1/4"	.....	6 1/4"	9"
25-1	11 1/4	27 1/4 B-1	9	31	300	1 1/4-2 1/4"	1 1/4"	2 1/4"	7/8"	2 1/8"	4 3/4"	2 3/4"	1 1/4"	1 1/4"	3 1/4"	2 1/4"	.....	6 1/4"	9"
25-2	11 1/4	27 1/4 B-2	9	31	300	2 1/4-2 3/4"	1 1/4"	2 1/4"	7/8"	2 1/8"	4 3/4"	2 3/4"	1 1/4"	1 1/4"	3 1/4"	2 1/4"	.....	6 1/4"	9"
28V-1	12 1/4	28 1/4 B-1	11	32	400	1 1/4-2"	1 1/4"	2 1/4"	7/8"	2"	4 1/4"	3 1/4"	1 1/4"	1 1/4"	3 3/4"	2 1/4"	.....	7"	9 1/4"
28V-2	12 1/4	28 1/4 B-2	11	32	400	2 1/4-2 3/4"	1 1/4"	2 1/4"	7/8"	2"	4 1/4"	3 1/4"	1 1/4"	1 1/4"	3 3/4"	2 1/4"	.....	7"	9 1/4"
29V-1	16	29 1/4 B-1	14	232	600	1 1/4-2"	1 1/4"	3 3/4"	7/8"	1 1/4"	5 1/4"	3 1/4"	1 1/4"	1 1/4"	4 1/4"	2 1/4"	.....	7 3/4"	10 1/4"
29V-2	16	29 1/4 B-2	14	232	600	2 1/4-2 3/4"	1 1/4"	3 3/4"	7/8"	1 1/4"	5 1/4"	3 1/4"	1 1/4"	1 1/4"	4 1/4"	2 1/4"	.....	7 3/4"	10 1/4"
121-1	25	123 1/4 B-1	25	33	800	1 1/4-2"	2 1/4"	3 3/4"	1 1/4"	3"	5 1/4"	3 1/4"	1 1/4"	1 1/4"	4 1/4"	.....	3 1/4"	9 1/4"	12 1/4"
121-2	25	123 1/4 B-2	25	33	800	2 1/4-3"	2 1/4"	3 3/4"	1 1/4"	3"	5 1/4"	3 1/4"	1 1/4"	1 1/4"	4 1/4"	.....	3 1/4"	9 1/4"	12 1/4"
150-1	25	150 1/4 B-1	25	33	800	1 1/4-2"	2 1/4"	3 3/4"	1 1/4"	3"	5 1/4"	3 1/4"	1 1/4"	1 1/4"	4 1/4"	.....	3 1/4"	9 1/4"	12 1/4"
150-2	25	150 1/4 B-2	25	33	800	2 1/4-3"	2 1/4"	3 3/4"	1 1/4"	3"	5 1/4"	3 1/4"	1 1/4"	1 1/4"	4 1/4"	.....	3 1/4"	9 1/4"	12 1/4"

*N is 1/4" greater than O.

Note—The letter A on the weatherstripping, in the above illustrations, shows the location of plates, which may be removed when it is desired to get at the adjusting bolts of the hangers.

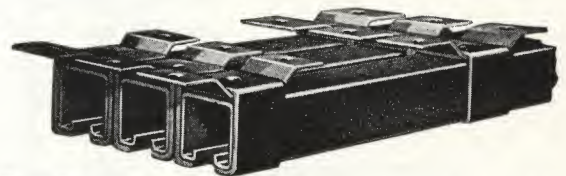
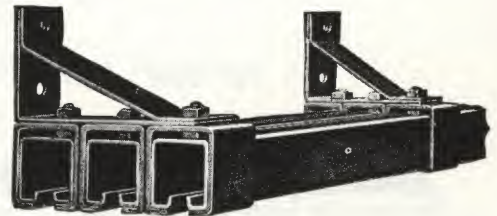
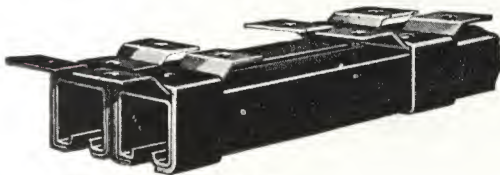
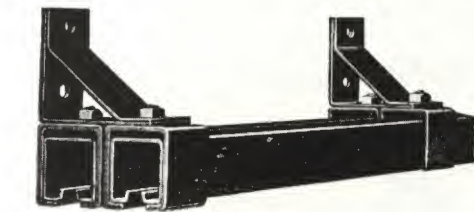
Parallel Sliding Garage Door Hardware

Track and Bracket Assemblies

Without Weatherstrips

Sets Do Not
Include Hangers

Illustrations of
Double and Triple
Brackets
Supporting Parallel
Tracks Without
Weatherstrips



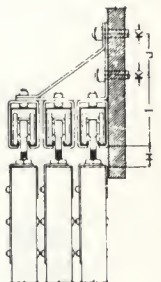
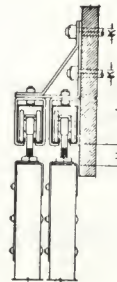
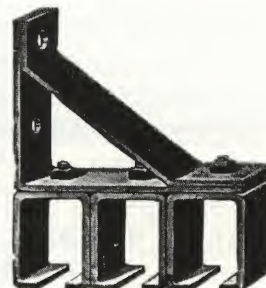
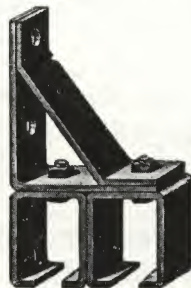
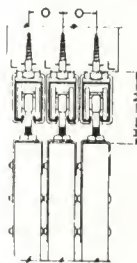
List of Double Brackets

	Weight, Each
No. 22 x 31 Bracket for doors up to 2" thick	2 1/4 lbs.
No. 256-2 x 31 Bracket for doors 2 1/4" to 2 3/4" thick	2 1/4 lbs.
No. 22 x 32 Bracket for doors up to 2" thick	4 1/2 lbs.
No. 257-2 x 32 Bracket for doors 2 1/4" to 2 3/4" thick	4 1/2 lbs.
No. 22 x 33 Bracket for doors up to 2 3/4" thick	4 1/2 lbs.
No. 258-2 x 33 Bracket for doors 3" to 3 1/2" thick	7 1/2 lbs.
No. 22 x 232 Bracket for doors up to 2 3/4" thick	7 1/2 lbs.
No. 259-2 x 232 Bracket for doors 2 3/4" to 2 3/4" thick	5 1/2 lbs.

Note—No. 7 Brackets are used for parallel tracks, overhead attachment.

List of Triple Brackets

	Weight, Each
No. 33 x 31 Bracket for doors up to 2" thick	4 1/2 lbs.
No. 256-3 x 31 Bracket for doors 2 1/4" to 2 3/4" thick	4 1/2 lbs.
No. 33 x 32 Bracket for doors up to 2" thick	5 1/2 lbs.
No. 257-3 x 32 Bracket for doors 2 1/4" to 2 3/4" thick	5 1/2 lbs.
No. 33 x 33 Bracket for doors up to 2 3/4" thick	10 1/2 lbs.
No. 258-3 x 33 Bracket for doors 3" to 3 1/2" thick	10 1/2 lbs.
No. 33 x 232 Bracket for doors up to 2 3/4" thick	8 1/2 lbs.
No. 259-3 x 232 Bracket for doors 2 3/4" to 2 3/4" thick	8 1/2 lbs.



Cross-Section showing overhead bracket attachments without weatherstrip.

Nos. 7 x 31, 7 x 32, 7 x 33, 7 x 232 Brackets

Nos. 22, 256-2, 257-2, 258-2, 259-2, Double Brackets

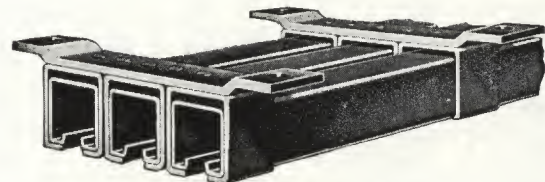
Nos. 33, 256-3, 257-3, 258-3, 259-3, Triple Brackets

Cross-Section showing side wall bracket attachments without weatherstrip.

No. 22 Double Bracket and No. 33 Triple Bracket are used for parallel tracks, side wall attachment, as illustrated above, without weatherstrips. Can be furnished without the first and second brackets proper for supporting a single track extended from the wall when so specified.



Showing No. 29 Double Brackets, with track



Showing No. 31 Triple Brackets with track

List of Double Brackets

	Weight, Each
No. 29 x 31 Bracket for doors up to 2" thick	2 1/2 lbs.
No. 29 x 32 Bracket for doors up to 2" thick	4 1/2 lbs.
No. 29 x 33 Bracket for doors up to 2 3/4" thick	8 1/2 lbs.
No. 29 x 232 Bracket for doors up to 2 3/4" thick	6 lbs.

Note—No. 5 Brackets are used for single track, overhead attachment.

List of Triple Brackets

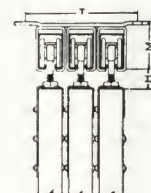
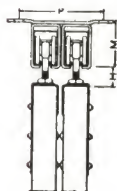
	Weight, Each
No. 31 x 31 Bracket for doors up to 2" thick	4 1/2 lbs.
No. 31 x 32 Bracket for doors up to 2" thick	6 lbs.
No. 31 x 33 Bracket for doors up to 2 3/4" thick	14 lbs.
No. 31 x 232 Bracket for doors up to 2 3/4" thick	9 lbs.

Dimensions Apply to All Cross-Sectional Runs of Parallel Tracks

"H" for Roller-Bearing Hangers		"H" for Ball-Bearing Hangers		I	J	Diameter of bracket bolt		M	N	O	P	T
Minimum	Maximum	Minimum	Maximum			K	L					
1 1/4"	2 1/2"	7/8"	2 3/8"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 5/8"		6 5/8"	9"
1 1/4"	2 1/2"	7/8"	2 3/8"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 5/8"		6 5/8"	9"
1 1/4"	2 1/2"	7/8"	2 3/8"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 5/8"		6 5/8"	9"
1 5/8"	2 5/8"	7/8"	2 3/8"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 5/8"		6 5/8"	9"
1 5/8"	2 5/8"	7/8"	2 3/8"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 5/8"		6 5/8"	9"
1 3/4"	3 3/4"	1 1/8"	3 1/4"	5 1/2"	3 1/2"	3/4"	3/4"	4 1/2"	2 7/8"		7 5/8"	10 1/2"
1 3/4"	3 3/4"	1 1/8"	3 1/4"	5 1/2"	3 1/2"	3/4"	3/4"	4 1/2"	2 7/8"		7 5/8"	10 1/2"
2 1/8"	3 3/4"	1 1/8"	3 1/4"	5 1/2"	3 1/2"	3/4"	3/4"	4 1/2"	2 7/8"		7 5/8"	10 1/2"
2 1/8"	3 3/4"	1 1/8"	3 1/4"	5 1/2"	3 1/2"	3/4"	3/4"	4 1/2"	2 7/8"		7 5/8"	10 1/2"
2 1/8"	3 3/4"	1 1/8"	3 1/4"	5 1/2"	3 1/2"	3/4"	3/4"	4 1/2"	2 7/8"		7 5/8"	10 1/2"
2 1/8"	3 3/4"	1 1/8"	3 1/4"	5 1/2"	3 1/2"	3/4"	3/4"	4 1/2"	2 7/8"		7 5/8"	10 1/2"

N is 1/8" greater than O.

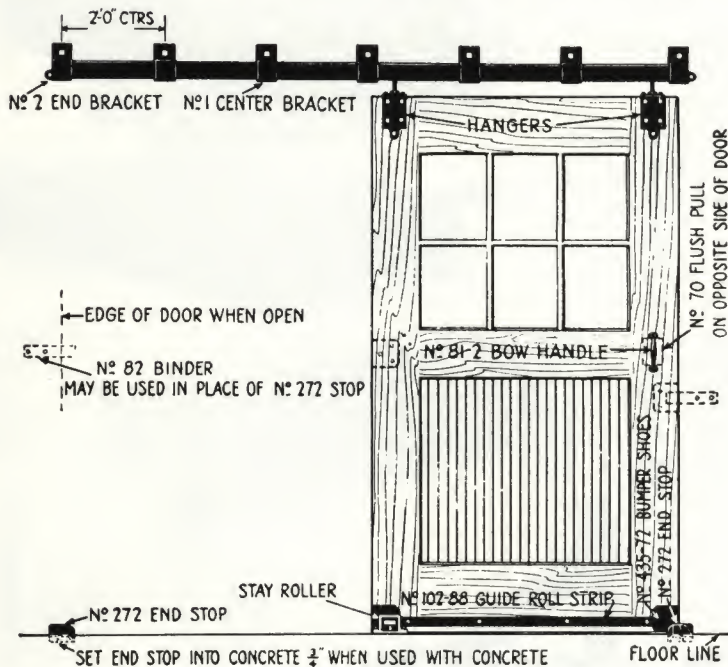
Cross-Sections showing overhead bracket attachments without weatherstrips.



Hardware Sets for Single Straight Sliding Doors

For Inside or Outside Installation

To Order: Merely Specify Catalog Number and Width of Opening



These complete sets contain the following hardware:

- 1 Pair Hangers, less brackets.
Sufficient Lock Joint Trolley Track (approximately twice width of opening).
- 2 End Track Brackets.
Sufficient Center and Lock Joint Track Brackets (spaced on approx. 2' 0\"
- 1 Bow Handle.
- 1 Flush Pull.
- 4 No. 435-72 Bumper Shoes.
- *2 Floor End Stops.
1 Stay Roller.
Sufficient No. 102-88 Guide Roll Strips.

*Wall Binders will be furnished instead of Floor End Stops if so specified.

NOTE—Illustration shows hardware ordinarily furnished. On extra large doors, heavier stay rollers and stops are furnished.

TABLE SHOWING CATALOG NUMBER TO SPECIFY DEPENDING ON THE HANGERS AND TRACK DESIRED

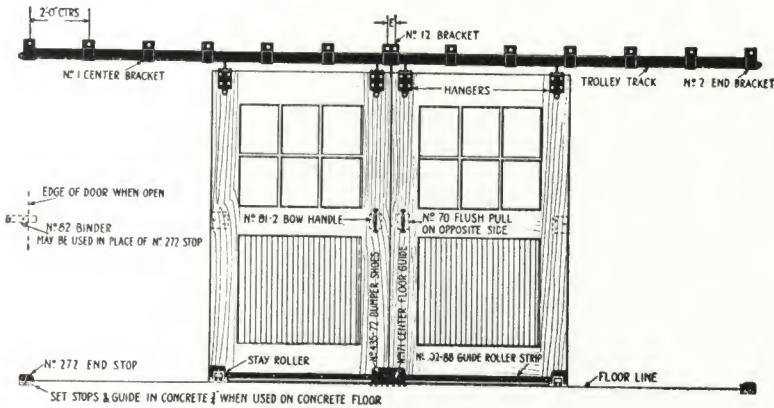
Catalog Number	Hanger Number	Track Number	For Doors Weighing, Lbs.	Thickness of Doors, Inches	Dist. Bottom of Track to Ctr. of Brk't. Bolt Hole	Diameter of Bracket Bolt, Inches	Distance Top of Door to Bottom of Track		Center of Bracket Bolt Hole to Top of Bracket
							Minimum	Maximum	
Complete Sets Including Ball-Bearing Hangers									
1020 1/2	20 1/2 B	31	300	1 3/4-2 1/2	3 1/2"	1 1/2"	1 3/4"	2 3/4"	3/4"
1027 1/2-1	27 1/2 B-1	31	300	1 3/4-2	3 1/2"	1 1/2"	1 3/4"	2 3/4"	3/4"
1027 1/2-2	27 1/2 B-2	31	300	2 1/4-2 3/4	3 1/2"	1 1/2"	1 3/4"	2 3/4"	3/4"
1028 1/2-1	28 1/2 B-1	32	400	1 3/4-2	4 1/4"	1 1/2"	1 3/4"	2 3/4"	7/8"
1028 1/2-2	28 1/2 B-2	32	400	2 1/4-2 3/4	4 1/4"	1 1/2"	1 3/4"	2 3/4"	7/8"
1029 1/2-1	29 1/2 B-1	232	600	1 3/4-2	4 3/4"	5/8"	1 3/4"	2 1/2"	7/8"
1029 1/2-2	29 1/2 B-2	232	600	2 1/4-2 3/4	4 3/4"	5/8"	1 3/4"	2 1/2"	7/8"
1123 1/2-1	123 1/2 B-1	33	800	1 3/4-2	5 "	3/4"	1 3/4"	2 3/4"	3/4"
1123 1/2-2	123 1/2 B-2	33	800	2 1/4-3	5 "	3/4"	1 3/4"	2 3/4"	3/4"
1150 1/2-1	150 1/2 B-1	33	800	1 3/4-2	5 "	3/4"	1 3/4"	2 3/4"	3/4"
1150 1/2-2	150 1/2 B-2	33	800	2 1/4-3 1/2	5 "	3/4"	1 3/4"	2 3/4"	3/4"
1499-1	499-1	233	1200	1 3/4-2	6 "	3/4"	1 3/4"	2 3/4"	1"
1499-2	499-2	233	1200	2 1/4-3 1/2	6 "	3/4"	1 3/4"	2 3/4"	1"
1598-1	598-1	533	2000	1 3/4-2 1/4	6 "	3/4"	1 3/4"	3 1/4"	1"
1598-2	598-2	533	2000	2 1/2-3 1/4	6 "	3/4"	1 3/4"	3 1/4"	1"
1598-3	598-3	533	2000	3 1/2-4 1/4	6 "	3/4"	1 3/4"	3 1/4"	1"
Complete Sets Including Roller-Bearing Hangers									
1020-2	20-2	31	300	1 3/4-2 1/2	3 1/2"	1 1/2"	1 3/4"	2 3/4"	3/4"
1025-1	25-1	31	300	1 3/4-2	3 1/2"	1 1/2"	1 3/4"	2 3/4"	3/4"
1025-2	25-2	31	300	2 1/4-2 3/4	3 1/2"	1 1/2"	1 3/4"	2 3/4"	3/4"
1028-1	28V-1	32	400	1 3/4-2	4 1/4"	1 1/2"	1 3/4"	2 3/4"	7/8"
1028-2	28V-2	32	400	2 1/4-2 3/4	4 1/4"	1 1/2"	1 3/4"	2 3/4"	7/8"
1029-1	29V-1	232	600	1 3/4-2	4 3/4"	5/8"	1 3/4"	2 1/2"	7/8"
1029-2	29V-2	232	600	2 1/4-2 3/4	4 3/4"	5/8"	1 3/4"	2 1/2"	7/8"
1121-1	121-1	33	800	1 3/4-2	5 "	3/4"	1 3/4"	2 3/4"	3/4"
1121-2	121-2	33	800	2 1/4-3	5 "	3/4"	1 3/4"	2 3/4"	3/4"
1150-1	150-1	33	800	1 3/4-2	5 "	3/4"	1 3/4"	2 3/4"	3/4"
1150-2	150-2	33	800	2 1/4-3 1/2	5 "	3/4"	1 3/4"	2 3/4"	3/4"

NOTE—If hardware is required for STEEL DOORS, give complete description of door

Hardware Sets for Double Straight Sliding Doors

For Inside or Outside Installation

To Order: Merely Specify Catalog Number and Width of Opening



NOTE—Illustration shows hardware ordinarily furnished. On extra large doors, heavier stay rollers and stops are furnished.

Wall type brackets shown. If ceiling type is required, specify on order.

These complete sets contain the following hardware:

2 Pair Hangers, less brackets.

Sufficient Lock Joint Trolley Track (approximately twice width of opening).

1 Center Stop Bracket.

2 End Track Brackets.

Sufficient Center and Lock Joint Track Brackets (spaced on approximately 2' 0" centers).

2 Bow Handles.

2 Flush Pulls.

8 No. 435-72 Bumper Shoes.

*2 Floor End Stops.

1 Center Floor Guide.

2 Stay Rollers.

Sufficient No. 102-88 Guide Roller Strip.

*Wall Binders will be furnished instead of Floor End Stops if so specified.

TABLE SHOWING CATALOG NUMBER TO SPECIFY DEPENDING ON THE HANGERS AND TRACK DESIRED

Catalog Number	Hanger Number	Track Number	For Doors Weighing, Lbs.	Thick-ness of Doors, Inches	Distance Bottom of Track to Center of Bracket Bolt Hole	Diameter of Bracket Bolt, Inches	Distance Top of Door to Bottom of Track		Center of Bracket Bolt Hole to Top of Bracket, Inches	Bolt Hole Centers in No. 12 Brackets, Inches	Size of Hole in No. 12 Brackets, Inches
							Minimum	Maximum			
Complete Sets Including Ball-Bearing Hangers											
2020 1/2	20 1/2 B	31	300	1 3/4-2 1/2	3 1/2"	1/2	1 1/2"	2 3/4"	3/4	2 3/4	3/4
2027 1/2-1	27 1/2 B-1	31	300	1 3/4-2	3 1/2"	1/2	1"	2 3/4"	3/4	2 3/4	3/4
2027 1/2-2	27 1/2 B-2	31	300	2 1/4-2 3/4	3 1/2"	1/2	1 1/2"	2 3/4"	3/4	2 3/4	3/4
2028 1/2-1	28 1/2 B-1	32	400	1 3/4-2	4 1/4"	1/2	1 1/2"	2 3/4"	7/8	2 3/4	3/4
2028 1/2-2	28 1/2 B-2	32	400	2 1/4-2 3/4	4 1/4"	1/2	1 1/2"	2 3/4"	7/8	2 3/4	3/4
2029 1/2-1	29 1/2 B-1	232	600	1 3/4-2	4 3/4"	5/8	1 1/2"	2 1/2"	7/8	2 3/4	3/4
2029 1/2-2	29 1/2 B-2	232	600	2 1/4-2 3/4	4 3/4"	5/8	1 1/2"	2 1/2"	7/8	2 3/4	3/4
2123 1/2-1	123 1/2 B-1	33	800	1 3/4-2	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4
2123 1/2-2	123 1/2 B-2	33	800	2 1/4-3	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4
2150 1/2-1	150 1/2 B-1	33	800	1 3/4-2	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4
2150 1/2-2	150 1/2 B-2	33	800	2 1/4-3 1/2	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4
2499-1	499-1	233	1200	1 3/4-2	6 1/4"	3/4	1 1/4"	2 3/4"	1	3	3/4
2499-2	499-2	233	1200	2 1/4-3 1/2	6 1/4"	3/4	1 1/4"	2 3/4"	1	3	3/4
2598-1	598-1	533	2000	1 3/4-2 1/4	6"	3/4	1 1/4"	3 1/4"	1	3 1/4	3/4
2598-2	598-2	533	2000	2 1/2-3 1/4	6"	3/4	1 1/4"	3 1/4"	1	3 1/4	3/4
2598-3	598-3	533	2000	3 1/2-4 1/4	6"	3/4	1 1/4"	3 1/4"	1	3 1/4	3/4
Complete Sets Including Roller-Bearing Hangers											
2020-2	20-2	31	300	1 3/4-2 1/2	3 1/2"	1/2	1 1/2"	2 3/4"	3/4	2 3/4	3/4
2025-1	25-1	31	300	1 3/4-2	3 1/2"	1/2	1"	2 3/4"	3/4	2 3/4	3/4
2025-2	25-2	31	300	2 1/4-2 3/4	3 1/2"	1/2	1 1/2"	2 3/4"	3/4	2 3/4	3/4
2028-1	28V-1	32	400	1 3/4-2	4 1/4"	1/2	1 1/2"	2 3/4"	7/8	2 3/4	3/4
2028-2	28V-2	32	400	2 1/4-2 3/4	4 1/4"	1/2	1 1/2"	2 3/4"	7/8	2 3/4	3/4
2029-1	29V-1	232	600	1 3/4-2	4 3/4"	5/8	1 1/2"	2 1/2"	7/8	2 3/4	3/4
2029-2	29V-2	232	600	2 1/4-2 3/4	4 3/4"	5/8	1 1/2"	2 1/2"	7/8	2 3/4	3/4
2121-1	121-1	33	800	1 3/4-2	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4
2121-2	121-2	33	800	2 1/4-3	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4
2150-1	150-1	33	800	1 3/4-2	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4
2150-2	150-2	33	800	2 1/4-3 1/2	5"	3/4	1 1/4"	2 3/4"	3/4	2 3/4	3/4

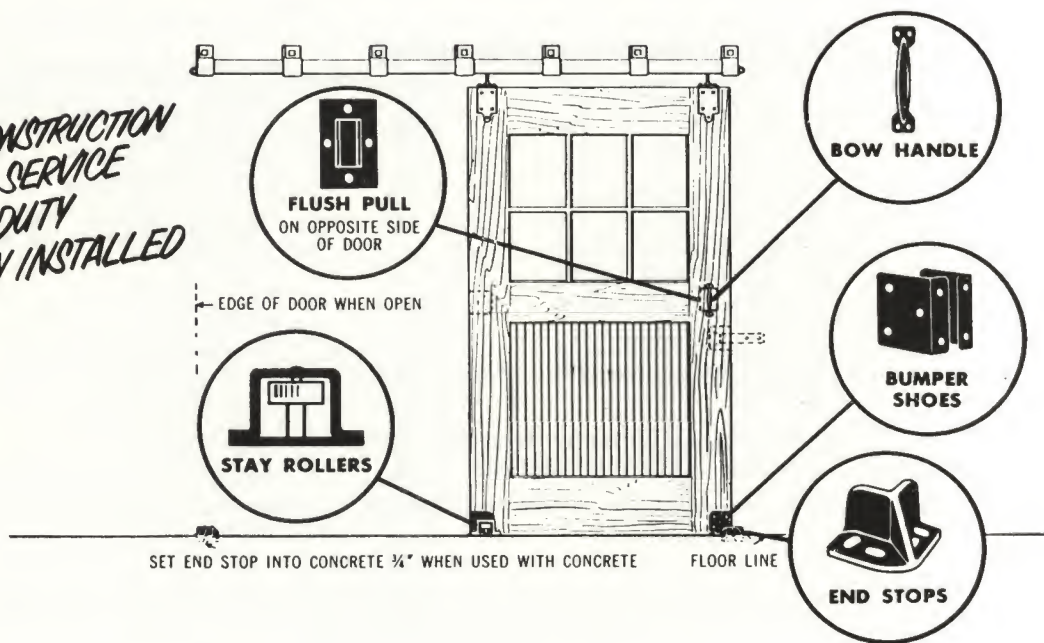
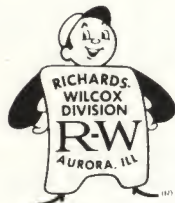
NOTE—If hardware is required for STEEL DOORS, give complete description of door.

R-W No. 7988 ACCESSORIES

FOR SINGLE OR DOUBLE STRAIGHT SLIDING DOORS

For Inside or Outside Installations

- QUALITY CONSTRUCTION
- LIFETIME SERVICE
- HEAVY DUTY
- EASILY INSTALLED



A TYPICAL R-W INSTALLATION
WITH No. 7988 HARDWARE

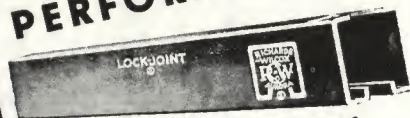
No. 7988 Door Accessories

The No. 7988 hardware items are accessories for sliding wood doors. The illustration at the top of the page shows clearly the No. 7988 items in dark print.

For double sliding doors order two sets of hardware. The No. 7988 accessories are quality items that will give years of dependable service. This type hardware is ideal for use on barns, tool sheds, and industrial factories.

R-W "Lock-Joint" TRACK

"Unequaled in
PERFORMANCE"



HERE'S WHY!

- **Positive Locking**
"Lock-Joint" brackets lock two lengths of track together as one piece of track.
 - **Fits Any Size Opening**
"Lock-Joint" track and brackets make possible a smooth run of track of any length.
 - **A Track for Every Door**
R-W offers a wide range of weights and sizes of track . . . from 100 lbs. to 3,000 lbs. Finish: Gray enamel regular; galvanized, available when specified.
- ACCEPT NO SUBSTITUTES**

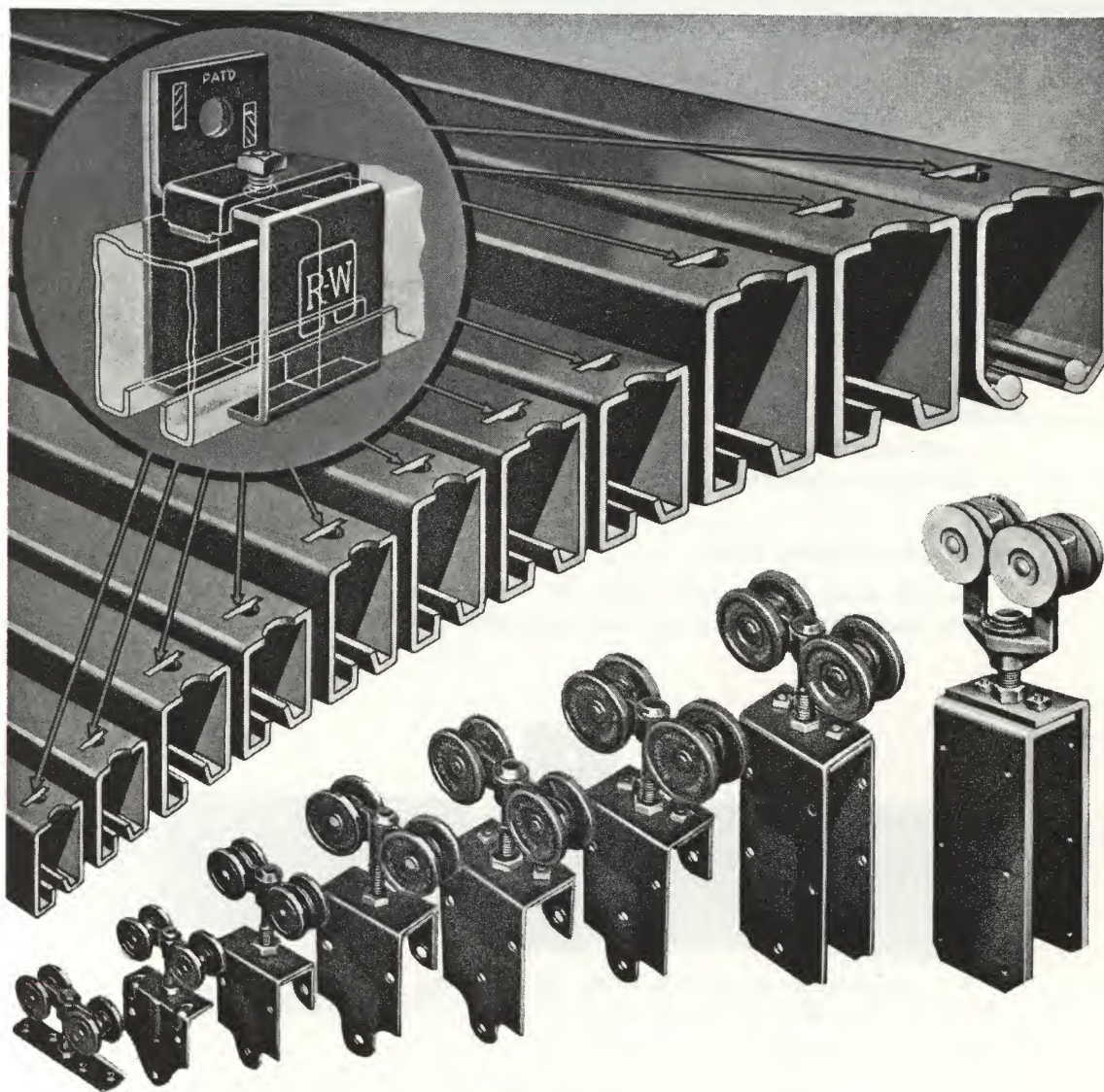
No. 7988 Door Hardware

1	No. 54	Stay Roller
1	No. 70-1	Flush Pull
1	No. 71-2	Bow Handle
4	No. 435-72	Bumper Shoes
2	No. 572	End Stops

Screws Furnished For Installation

RICHARDS-WILCOX . . .

THE ORIGINATORS OF THE WORLD-FAMOUS LOCK-JOINT POSITIVE LOCKING FEATURE FOR TROLLEY TRACKS



**Whether It's Ball or Roller Bearing Hangers Richards-Wilcox
Makes It Best**

R-W Tracks, Hangers and Brackets

For Correct "Hand" of R-W Doors See Page 2

Lock-Joint Trolley Tracks

An Exclusive R-W Feature



- **Positive Locking**

Track perforated for lock-joint brackets. Lock-joint brackets lock two lengths of track together as one piece of track.

- **Fits Any Size Opening**

Lock-joint brackets make possible run of track of any length. Track available in different lengths.

- **A Track for Every Door**

Several sizes of lock-joint track for doors of various weights and sizes. See track cross sections on following pages for various sizes of track.

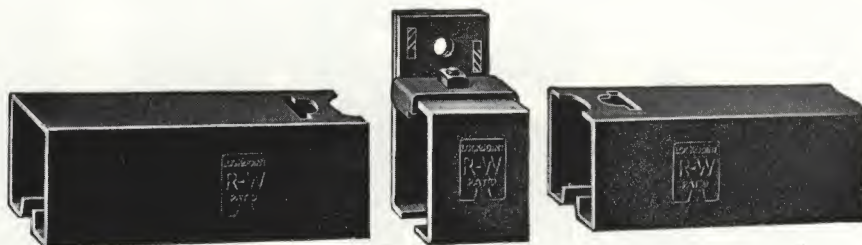
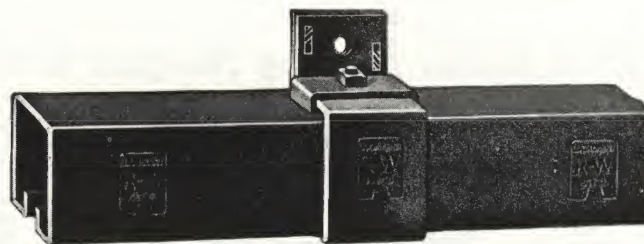


Illustration shows an **R-W No. 39** Lock-Joint Bracket and two pieces of R-W Lock-Joint track before bracket is applied.



Here the bracket has been applied and is shown locking the two ends of tracks together, providing a perfect joint.

Lock-Joint Curved Trolley Tracks



R-W Curved trolley tracks are also made lock-joint so the straight sections of track adjoining the curves are always held in place and form a perfect runway for the

hanger wheels. The most common curve is the 90 degree curve, although any degree curve can be furnished.

Table of Standard Stock Size 90 Degree Curves

		For Track No.						
		30	30½	31 and 75	32	232	33	375
Radius Curve	{	*1' 3"	*1' 3"	*1' 6"				
		2' 0"	2' 0"	2' 0"	*2' 0"	*2' 0"		
		2' 6"	2' 6"	2' 6"	2' 6"	2' 6"	*2' 6"	*2' 6"
		3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"	3' 0"
				3' 6"	3' 6"	3' 6"	3' 6"	3' 6"
				4' 0"	4' 0"	4' 0"	4' 0"	4' 0"
			5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	

..... Indicates not made in this size.

*Minimum radius which we can furnish.

Larger radius curves made on order.

Number of Feet Straight Track in 90 Degree Curves

Radius	Ft. Track	Radius	Ft. Track
2'0"	3.1416	6'0"	9.4248
2'6"	3.9270	6'6"	10.3102
3'0"	4.7124	7'0"	10.9956
3'6"	5.4976	7'6"	11.7810
4'0"	6.2833	8'0"	12.5664
4'6"	7.0686	8'6"	13.3518
5'0"	7.8540	9'0"	14.1372
5'6"	8.6394	9'6"	14.9228
		10'0"	15.7080

Curved track with straight section on each end.

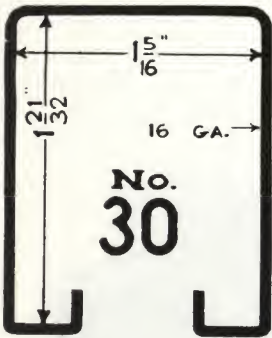
Special Curves

In addition to regular curved lock-joint tracks, we can also furnish curves with short lengths of straight track on one or both ends, also compound curves as shown in illustrations.

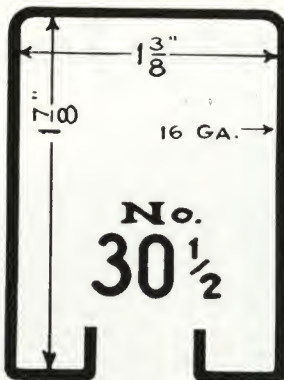
Let us know your requirements, and our Engineering Department will work out something to meet your conditions.



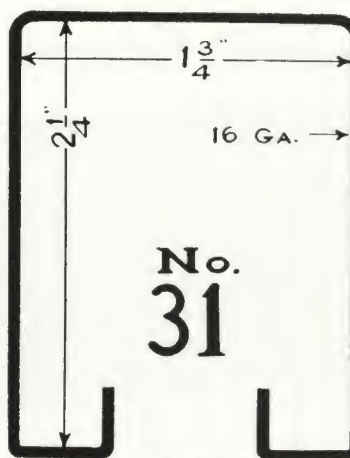
Compound Curve



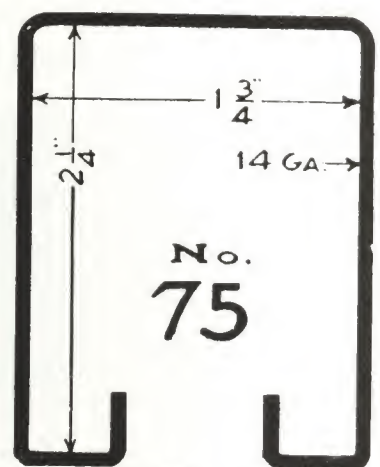
Weight 1 lb. per foot



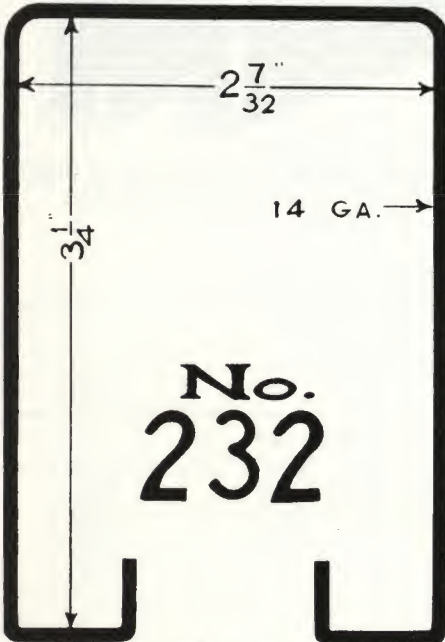
Weight 1 1/2 lbs. per foot



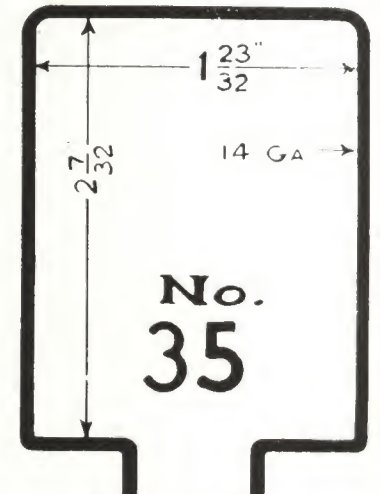
Weight 1 3/4 lbs. per foot



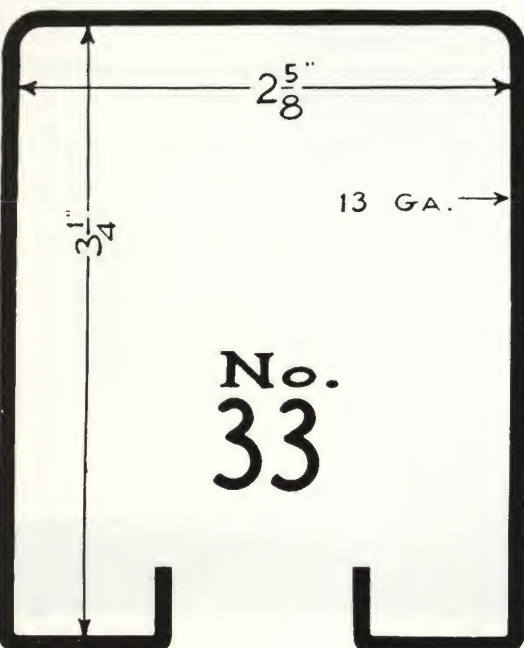
Weight 2 lbs. per foot



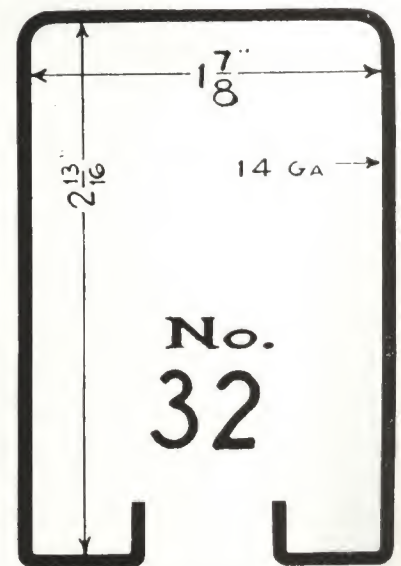
Weight 2 3/4 lbs. per foot



Weight 2 1/4 lbs. per foot



Weight 4 lbs. per foot



Weight 2 1/2 lbs. per foot

Lock-Joint Tracks Full Size Cross Sections

Track Lengths

*Nos. 30, 30 1/2, 32, 33, 35, 75, 232, 233, 375 and 533 tracks available in stock lengths of 4', 6', 8' and 10'.

No. 31 track available in stock lengths of 4', 6', 8', 10' and 12'.

No. 31 track can also be furnished in longer one piece sections up to 20', at no extra charge.

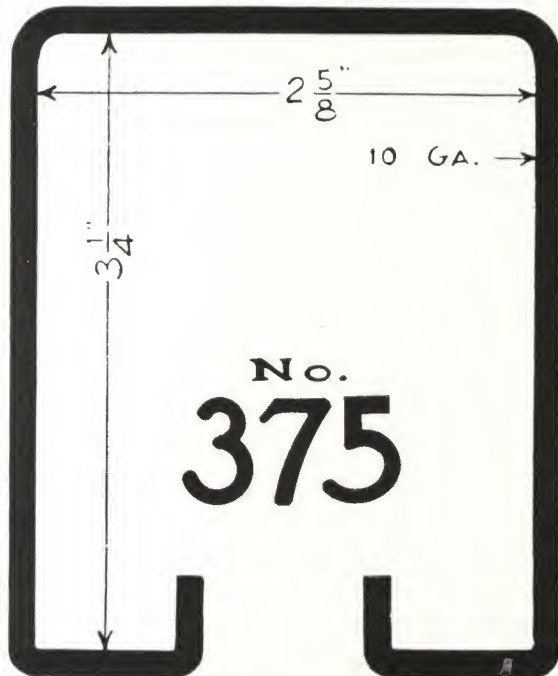
*No. 888 track, available in stock lengths of 4', 6', 8' and 12'.

*R-W can furnish all these tracks in longer sections, up to 20' on special order by welding at an extra charge.

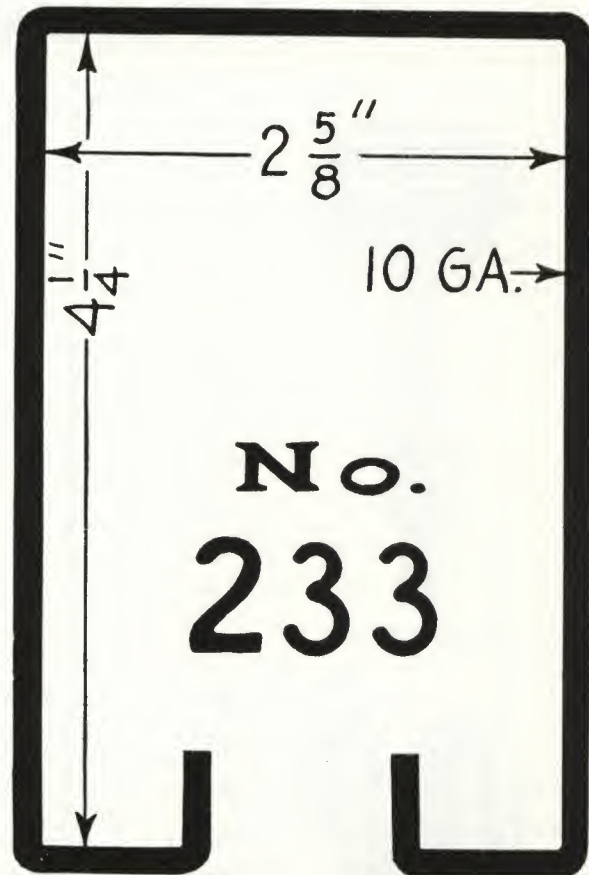
Brackets are shown
on pages 90 to 111

All the tracks on this page and the next page are perforated to receive Lock-Joint Brackets which bind and lock tracks securely together, making virtually a one-piece track regardless of length.

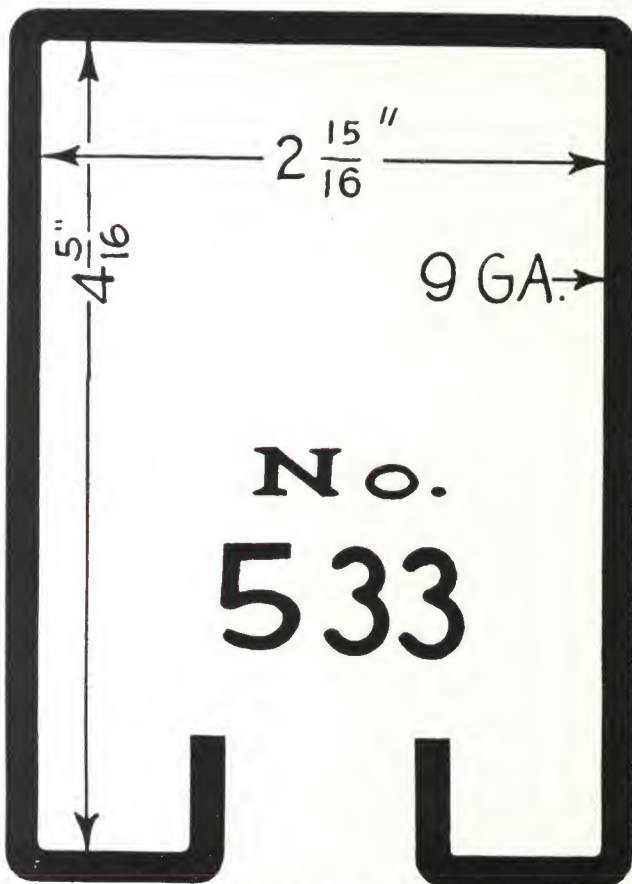
Full Size Cross Sections of "Lock-Joint" Trolley Tracks



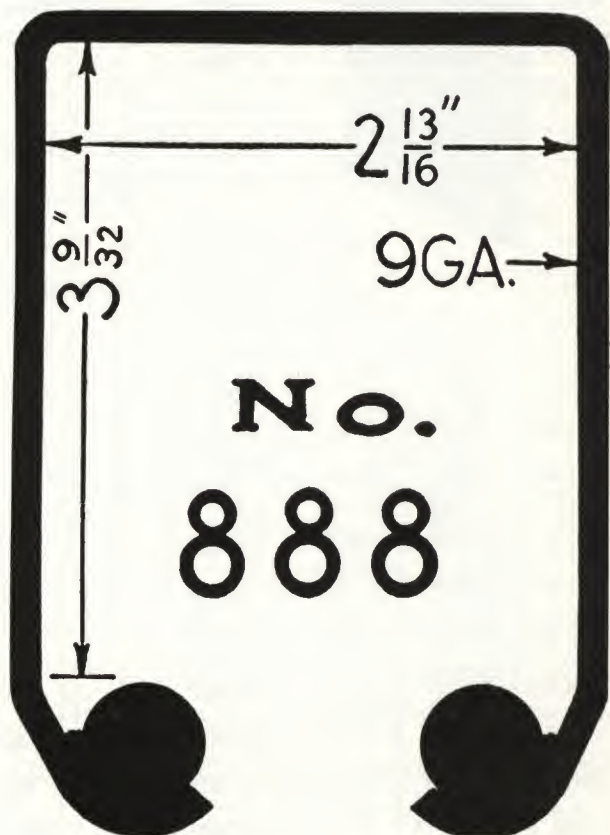
Weight $5 \frac{3}{4}$ lbs. per foot



Weight $6 \frac{1}{4}$ lbs. per foot



Weight 8 lbs per foot



Weight 8 lbs. per foot

RICHARDS-WILCOX DOOR HANGERS

For "Lock-Joint," Round and Flat Track

Hanger	For Doors	For Doors Up to Lbs.	Aprons	For Use In R-W Track	Type Bearing	Page No.	Hanger	For Doors	For Doors Up to Lbs.	Aprons	For Use In R-W Track	Type Bearing	Page No.
0030	7/8"-1 1/4"	100 Lbs.	Top Plate	30	Ball	46	286-2	2 1/4"-3"	1,000 Lbs.	9 1/2" Long 4" Wide	375	Ball	68
020-2	1 3/4"-2 1/4"	300 Lbs.	6" Long 3 1/2" Wide	31	Roller	50	314	1 3/4" or More	200 Lbs.	Top Plate	30 1/2	Roller	47
030	See Hanger Page	See Hanger Page	Pendant Type	See Hanger Page	Ball	45	323	1 3/4"-2 1/4"	300 Lbs.	6" Long 3 1/2" Wide	31	Roller	57
031	See Hanger Page	See Hanger Page	5 1/8" Long 3 1/2" Wide	31	Roller	45	329	For Doors 1" or More	100 Lbs.	Top Plate	30	Ball	46
20	1 3/4"-2 1/4"	300 Lbs.	6" Long 3 1/2" Wide	31	Roller	48	346	1 3/8"-1 3/4"	200 Lbs.	6" Long 3 3/8" Wide	239	Roller	75
20 1/2 B	1 3/4"-2 1/4"	300 Lbs.	6" Long 3 1/2" Wide	31	Ball	51	346 1/2 B	1 3/8"-1 3/4"	200 Lbs.	4 3/8" Long 3" Wide	239	Ball	75
20-2	1 3/4"-2 1/4"	300 Lbs.	6" Long 3 1/2" Wide	31	Roller	48	362	1 3/4" Thick	250 Lbs.	6" Long 3 1/2" Wide	242-B Round	Roller	80
25-1	1 3/4"-2"	300 Lbs.	7 1/2" Long 4" Wide	31	Roller	52	399 x 36	1 3/4" Thick	300 Lbs.	6" Long 3 1/2" Wide	36	Roller	76
25-2	2 1/4"-2 3/4"	300 Lbs.	7 1/4" Long 4" Wide	31	Roller	52	421	1 3/4"-2 1/2"	300 Lbs.	6" Long 3 1/2" Wide	35	Roller	58
26	1 3/4" or More	300 Lbs.	4" Long 3 1/2" Wide	31	Ball	54	423-35	1 3/4"-2 1/2"	300 Lbs.	6" Long 3 1/2" Wide	35	Roller	58
27 1/2 B-1	1 3/4"-2"	300 Lbs.	7 1/2" Long 4" Wide	31	Ball	53	423-36	1 3/4"-2"	300 Lbs.	6" Long 3 1/2" Wide	36	Roller	76
27 1/2 B-2	2 1/4"-2 3/4"	300 Lbs.	7 1/2" Long 4" Wide	31	Ball	53	429	1" or More	100 Lbs.	3 1/4" Long 3" Wide	30	Ball	46
28 V-1	1 3/4"-2"	400 Lbs.	7 1/2" Long 4" Wide	32	Roller	60	455	1 3/4"-3 1/2"	1,500 Lbs.	17" Long 11 3/4" Wide	542-D Round	Roller	86
28 V-2	2 1/4"-2 3/4"	400 Lbs.	7 1/2" Long 4" Wide	32	Roller	60	462-1	1 3/4"-2"	150 Lbs.	9 1/2" Long 3" Wide	242-A Round	Roller	81
28 1/2 B-1	1 3/4"-2"	400 Lbs.	7 1/2" Long 4" Wide	32	Ball	61	462-2	1 3/4"-2 1/2"	250 Lbs.	10 1/2" Long 3 1/2" Wide	242-B Round	Roller	81
28 1/2 B-2	2 1/4"-2 3/4"	400 Lbs.	7 1/2" Long 4" Wide	32	Ball	61	499-1	1 3/4"-2"	1,200 Lbs.	9 1/2" Long 4" Wide	233	Ball	70
29 V-1	1 3/4"-2"	600 Lbs.	7 1/2" Long 4" Wide	232	Roller	62	499-2	2 1/4"-3 1/2"	1,200 Lbs.	9 1/2" Long 4" Wide	233	Ball	70
29 V-2	2 1/4"-2 3/4"	600 Lbs.	7 1/2" Long 4" Wide	232	Roller	62	542-A	1 3/4"	150 Lbs.	9 1/2" Long 4" Wide	542-A Round	Roller	82
29 1/2 B-1	1 3/4"-2"	600 Lbs.	7 1/2" Long 4" Wide	232	Ball	63	542-B	1 3/4"-2"	250 Lbs.	9 1/2" Long 4" Wide	542-B Round	Roller	82
29 1/2 B-2	2 1/4"-2 3/4"	600 Lbs.	7 1/2" Long 4" Wide	232	Ball	63	542-C2	1 3/4"-2 1/4"	800 Lbs.	See Hanger Page	542-C Round	Roller	83
38	1 3/4" Only	See Hanger Page	See Hanger Page	See Hanger Page	Roller	88	542-C3	2 1/2"-2 3/4"	800 Lbs.	See Hanger Page	542-C Round	Roller	83
43	1 3/4" Thick	250 Lbs.	Pendant	63-68 Flat	Roller	88	543	1 3/4"-2 1/2"	300 Lbs.	6" Long 3 3/4" Wide	242-B Round	Roller	84
47	1 3/4" Thick	250 Lbs.	5" Long 2 1/2" Wide	50 Flat	Roller	87	598-1	1 3/4"-2 1/4"	2,000 Lbs.	12" Long 5" Wide	533	Ball	72
101	2"-3"	Made in 3 Sizes	See Hanger Page	101 Flat	Roller	89	598-2	2 1/2"-3 1/4"	2,000 Lbs.	12" Long 5" Wide	533	Ball	72
121-1	1 3/4"-2"	800 Lbs.	9 1/2" Long 4" Wide	33	Roller	64	598-3	3 1/2"-4 1/4"	2,000 Lbs.	12" Long 5" Wide	533	Ball	72
121-2	2 1/4"-3"	800 Lbs.	9 1/2" Long 4" Wide	33	Roller	64	621	1 3/4"-2 1/2"	300 Lbs.	6" Long 3 1/2" Wide	31	Roller	56
123 1/2 B-1	1 3/4"-2"	800 Lbs.	9 1/2" Long 4" Wide	33	Ball	65	642-5	1 3/4"-2 1/2"	800 Lbs.	See Hanger Page	542-C Round	Roller	85
123 1/2 B-2	2 1/4"-3"	800 Lbs.	9 1/2" Long 4" Wide	33	Ball	65	721	1 3/4"-2 1/2"	300 Lbs.	6" Long 3 1/2" Wide	35	Roller	59
126	1" or More	200 Lbs.	Top Plate	30 1/2	Ball	47	888-3	1 3/4"-4 1/4"	2,500 Lbs.	Top Plate	888	Ball	71
150-1	1 3/4"-2"	800 Lbs.	9 1/2" Long 4" Wide	33	Roller	66	888-13	1 3/4"-4 1/4"	2,500 Lbs.	12" Long 5" Wide	888	Ball	71
150-2	2 1/4"-3"	800 Lbs.	9 1/2" Long 4" Wide	33	Roller	66	1026	1 3/8" or More	200 Lbs.	4 1/4" Long 3" Wide	30 1/2	Ball	47
150 1/2 B-1	1 3/4"-2"	800 Lbs.	9 1/2" Long 4" Wide	33	Ball	67	1043	1 3/4"-2 1/2"	250 Lbs.	6" Long 3 1/2" Wide	50 Flat	Roller	87
150 1/2 B-2	2 1/4"-3"	800 Lbs.	9 1/2" Long 4" Wide	33	Ball	67	1098-1	1 3/4"-2 1/4"	3,000 Lbs.	12" Long 5" Wide	533	Ball	73
155	2 1/4"-3 1/2"	1,600 Lbs.	9" Long 4 1/2" Wide	375	Roller	69	1098-2	2 1/2"-3 1/4"	3,000 Lbs.	12" Long	533	Ball	73
155 1/2 B	2 1/4"-3 1/2"	1,600 Lbs.	9" Long 4 1/2" Wide	375	Ball	69	1098-3	3 1/2"-4 1/4"	3,000 Lbs.	12" Long	533	Ball	73
223	1 3/4"-2 1/2"	300 Lbs.	6" Long 3 1/2" Wide	31	Roller	55	1314	1 3/8" or More	200 Lbs.	4 1/4" Long 3" Wide	30 1/2	Roller	47
226	1 3/4" or More	300 Lbs.	Top Plate	31	Ball	54	1314-2	1 3/4"-2 1/4"	200 Lbs.	6" Long 3 1/2" Wide	239	Roller	75
286-1	1 3/4"-2"	1,000 Lbs.	9 1/2" Long 4" Wide	375	Ball	68							

Hangers for Light Weight Doors

No. 030 Hanger

•Use

For display racks, curtains, panelled doors, etc.

•Sizes

Four sizes for different tracks (see table below).

•Construction

Wheels, steel. Frames, drop forged. Bearings, steel balls. Adjustment, vertical.

•Finish

Cadmium plated.

•Packed

One pair in box with screws.



No. 030 Hanger

Weight Table

Hanger Number	Track Number	Capacity, Lbs.	Diameter of Wheels	Weight, Hangers per Pair	Weight, Track per Foot
030-1	30	25	1-1/2"	1 lb.	1 lb.
030-2	30-1/2	50	1-3/4"	1-1/2 lbs.	1-1/2 lbs.
030-3	31-75	75	2-1/8"	2 lbs.	1-2/3 lbs.
030-5	375	300	3"	4 lbs.	5-3/4 lbs.

No. 031 Hanger

Two Doors Mounted Parallel in a Single Run of Track

One Pair of Hangers Operate on each Lip as Cross-Section Indicates.

•Use

For very light weight parallel doors not more than 1-3/8" thick. Runs in No. 31 track.

•Construction

Wheels, steel, 2-1/8" diameter.

Bearings, roller. Apron, 5-1/8" long, 3-1/2" wide, 1/8" thick.

•Finish

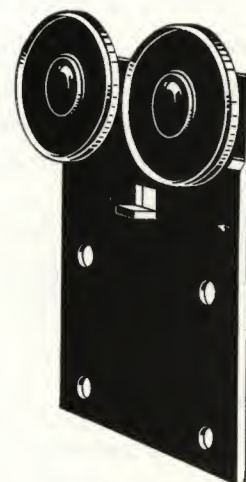
Cadmium plated.

•Packed

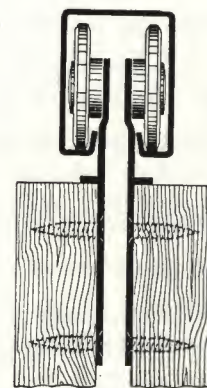
One pair in box with screws.

•Weight

Per pair, 2-1/2 lbs.



No. 031 Hanger



Two Doors Mounted Parallel in a Single Run of Track

Sliding Door Hangers

For doors weighing up to 100 lbs.

•Use

For very light sliding doors weighing up to 100 lbs.

•No. 0030 Hanger

For doors $7/8"$ to $1-1/4"$ thick.

Wheels, steel, $1-1/2"$ diameter.

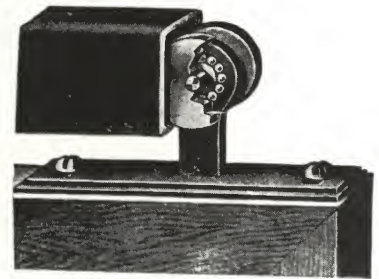
Ball bearings. Lateral adjustment.

Distance top of door to bottom of track, $5/8"$.

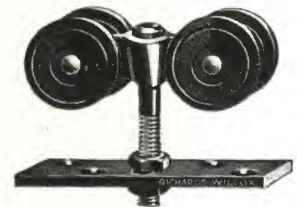
Packed one pair in box with screws.

Finish, cadmium plated.

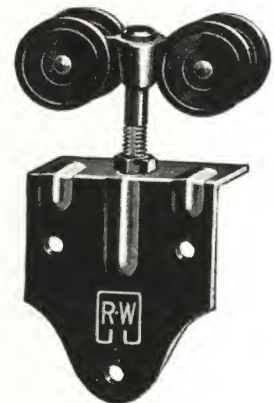
Weight, per pair, 1 lb.



No. 0030



No. 329



No. 429

•No. 329 Hanger

For doors $1"$ or more in thickness weighing up to 100 lbs.

Wheels, steel, $1-1/2"$ diameter.

Frame, drop forged. Ball bearings. Top plate, $4-1/8"$ long, $1"$ wide. Adjustment, lateral and vertical.

Distance top of door to bottom of track: minimum $1"$; maximum $1-3/8"$.

Packed one pair in box with screws.

Finish, cadmium plated.

Weight, per pair, 2 lbs.

•No. 429 Hanger

For doors $1"$ or more in thickness weighing up to 100 lbs.

Wheels, steel, $1-1/2"$ diameter. Frame, drop forged.

Ball bearings. Apron, $3-1/2"$ long, $3"$ wide, $3/32"$ thick, punched for $1/4"$ bolts. Width horizontal flange, $1"$.

Distance top of door to bottom of track: minimum $1"$; maximum $1-3/8"$. Packed one pair in box with screws.

Finish: Trucks, cadmium plated; apron, gray enamel.

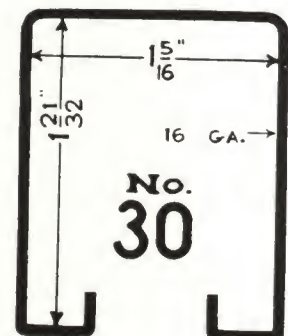
Weight, per pair, $2-1/4$ lbs.

•No. 30 Lock-Joint Trolley Track

No. 16 gauge steel, $1-5/16"$ x $1-21/32"$ inside dimensions.

Available in 4', 6', 8', and 10' lengths. Finish, gray enamel, regular. Galvanized available when specified.

Weight, per foot, 1 lb.

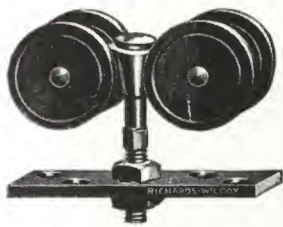


Full Size Cross-Section
No. 30 Trolley Track

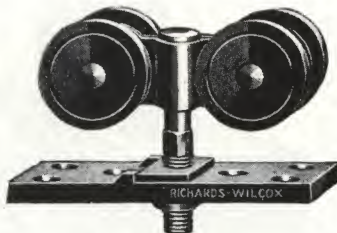
Brackets spaced not to exceed 24-inch centers.

Sliding Door Hangers

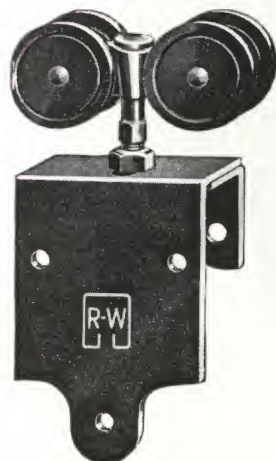
For doors weighing up to 200 lbs.



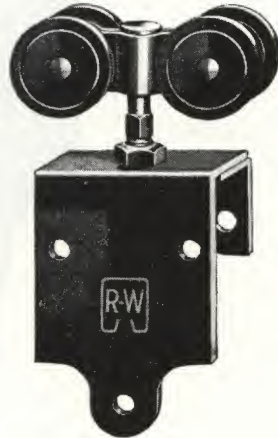
No. 126 Hanger



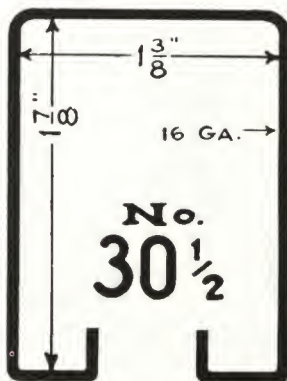
No. 314 Hanger



No. 1026 Hanger



No. 1314-1 Hanger



Full Size Cross-Section
R-W No. 30-1/2 Lock-
Joint Trolley Track.

•No. 126 Hanger

For doors 1" or more in thickness.

Wheels, steel, 1-3/4" diameter. Frames drop forged steel. Ball bearing. Lateral and vertical adjustment. Door plate, 1" wide, 4-1/8" long.

Finish, cadmium plated.

Packed one pair in box with screws.

Weight, per pair, 2-1/4 lbs.

•No. 314 Hanger

For doors 1-3/8" or more in thickness.

Wheels, steel, 1-3/4" diameter. Frames, steel. Roller bearing. Adjustment, vertical only. Plate, 1-3/8" wide, 4-7/8" long.

Finish, cadmium plated.

Packed one pair in box with screws.

Weight, per pair, 2-3/4 lbs.

•No. 1026 Hanger

For doors 1-3/8" or more in thickness.

Wheels, steel, 1-3/4" diameter. Frames, drop forged steel. Ball bearings. Lateral and vertical adjustment. Apron, 3" wide, 4-1/2" long, 5/64" thick.

Finish: Trucks, cadmium plated; aprons, gray enamel.

Packed one pair in box with bolts.

Weight, per pair, 3-1/4 lbs.

•No. 1314-1 Hanger

For doors 1-3/8"—1-3/4" thick.

Wheels, steel, 1-3/4" diameter. Frames, steel. Roller bearings. Lateral and vertical adjustment. Apron, 3" wide, 4-9/16" long.

Finish: Trucks, cadmium plated; aprons, gray enamel.

Packed one pair in box with bolts.

Weight, per pair, 4-3/4 lbs.

•No. 30-1/2 Lock-Joint Trolley Track

No. 16 gauge steel.

1-3/8" x 1-7/8" inside dimensions.

Stock lengths, 4', 6', 8', and 10' lengths.

Finish, gray enamel, regular. Galvanized available when specified.

Weight, per foot, 1-1/3 lbs.

•Track Brackets—Order Separately

No. 2 x 30-1/2 end bracket for each end of each run of track.

No. 39 x 30-1/2 lock-joint brackets for each joint.

No. 1 x 30-1/2 center brackets to complete spacing on not more than 24" centers.

No. 20 Trolley Track Door Hangers

For doors weighing up to 300 lbs.

•Head Clearance

Distance top of door to bottom of track, 7/8".

Bottom of track to center of hole in No. 2 bracket, 3-1/2".

•Use

For doors 1-3/4" to 2-1/4" thick, weighing up to 300 lbs.

Aprons must be let into doors of maximum thickness

•Construction

Steel wheels, 2-1/8" diameter. Roller bearings.

Flexible joint. Lateral adjustment only. Apron, 6" long, 3-1/2" wide, 1/8" thick.

•Finish

Trucks, cadmium plated.

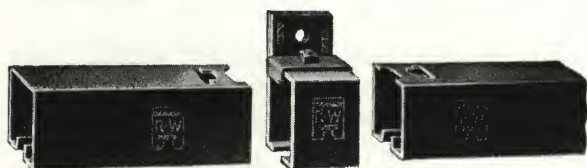
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 5 lbs.



Lock-Joint Track and Brackets

•Track (No. 31 Lock-Joint Trolley Track)

•Construction

No. 16 gauge steel.

•Dimensions

1-3/4" x 2-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', 10', and 12' lengths.

•Finish

Gray enamel regular. Galvanized available when specified.

•Weight

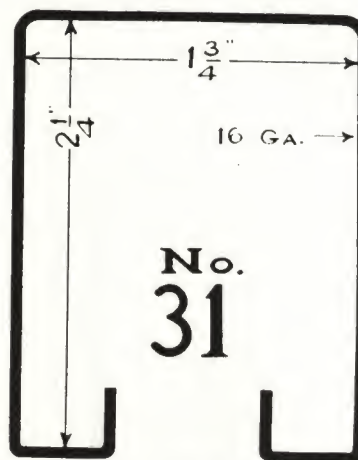
1-2/3 lbs. per foot.

•Track Brackets—Order Separately

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center brackets to complete spacing on not more than 30" centers.



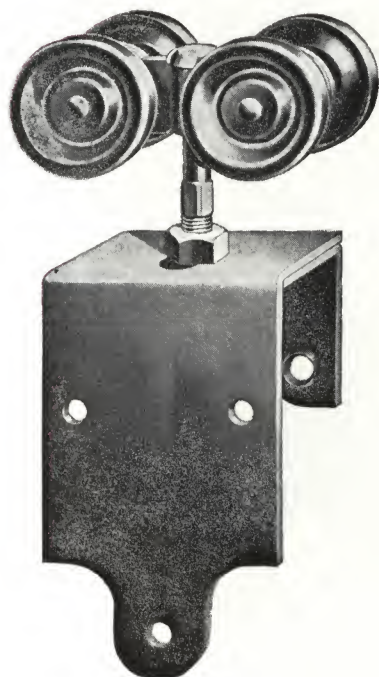
Full Size Cross-Section of
No. 31 Trolley Track.

For other types of track brackets, see pages 92-95.

No. 20-2 Trolley Track Door Hangers

For doors weighing up to 300 lbs.

For trucks (hangers less aprons) see page 77



•Head Clearance

Distance top of door to bottom of track: minimum, 1-3/16"; maximum, 2-5/16".

Bottom of track to center of hole in bracket, 3-1/2".

•Use

For doors 1-3/4" to 2-1/4" thick, weighing up to 300 lbs.

Aprons must be let into doors of maximum thickness.

•Construction

Wheels, steel, 2-1/8" diameter. Roller bearings.

Lateral and vertical adjustment. Apron: 6" long, 3-1/2" wide, 1/8" thick.

•Finish

Trucks, cadmium plated.

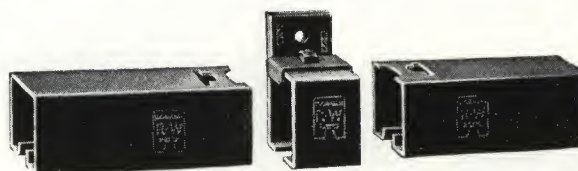
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 5-3/4 lbs.



Lock-Joint Track and Brackets

•Track (No. 31 Lock-Joint Trolley Track)

•Construction

No. 16 gauge steel.

•Dimensions

1-3/4" x 2-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', 10', and 12' lengths.

•Finish

Gray enamel, regular.

Galvanized available when specified.

•Weight

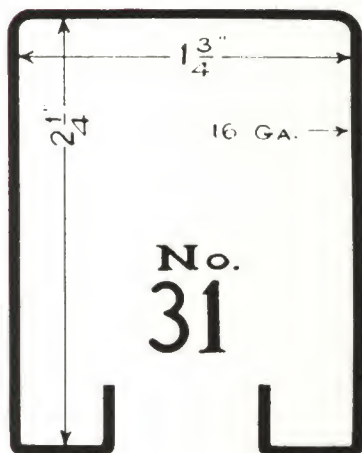
1-2/3 lbs. per foot.

•Track Brackets—Order Separately

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center bracket to complete spacing on not more than 30" centers.



Full Size Cross-Section of
No. 31 Trolley Track

No. 020-2

BLUE STREAK

Trolley Track Door Hangers

For doors weighing up to 300 lbs.

•**Head Clearance**

Distance top of door to bottom of track: minimum, 1-3/16"; maximum, 2-5/16".

Bottom of track to center of hole in bracket, 3-1/2".

•**Use**

For doors 1-3/4" to 2-1/4" thick, weighing up to 300 lbs.

Aprons must be let into doors of maximum thickness.

•**Construction**

Steel wheels, 2-1/8" diameter. Permanently lubricated bronze bearings. Lateral and vertical adjustment. Apron: 6" long, 3-1/2" wide, 1/8" thick.

•**Finish**

Trucks, cadmium plated.

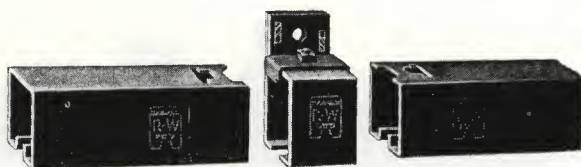
Apron, blue enamel, regular. Galvanized available when specified.

•**Packed**

One pair in box with carriage and stove bolts.

•**Weight**

Per pair, 5-1/4 lbs.



Lock-Joint Track and Brackets

•**Track (No. 31 Lock-Joint Trolley Track)**

•**Construction**

No. 16 gauge steel.

•**Dimensions**

1-3/4" x 2-1/4" inside dimensions.

•**Stock Lengths**

4', 6', 8', 10', and 12' lengths.

•**Finish**

Gray enamel, regular.

Galvanized available when specified.

•**Weight**

1-2/3 lbs. per foot.

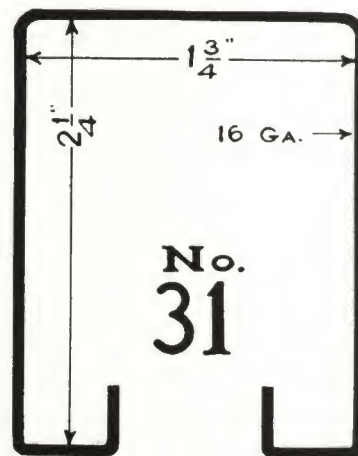
•**Track Brackets—Order Separately**

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center bracket to complete spacing on not more than 30" centers.

Weight each, 1 lb.



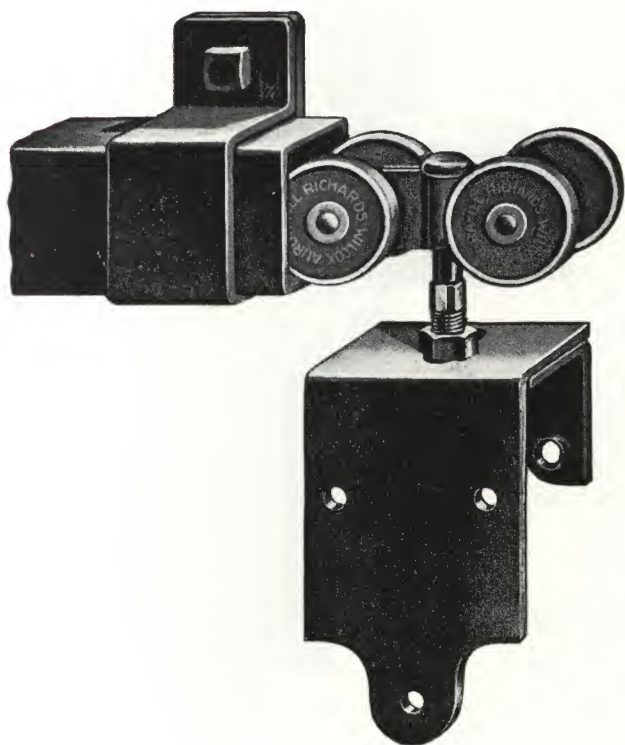
Full Size Cross-Section
No. 31 Track

For other types of track brackets, see pages 92-95.

No. 20 $\frac{1}{2}$ -B "Stayrite" Trolley Track Door Hangers

For doors weighing up to 300 lbs.

For trucks (hangers less aprons) see page 77



•Head Clearance

Distance top of door to bottom of track: minimum, 1-3/16"; maximum, 2-5/16".

Bottom of track to center of hole in bracket, 3-1/2".

•Use

For doors 1-3/4" to 2-1/4" thick, weighing up to 300 lbs.

Aprons must be let into doors of maximum thickness.

•Construction

Wheels, drop forged steel, 2-1/8" diameter.

Ball bearings. Frame, drop forged steel.

Lateral and vertical adjustment. Apron, 6" long, 3-1/2" wide, 1/8" thick.

•Finish

Trucks, cadmium plated.

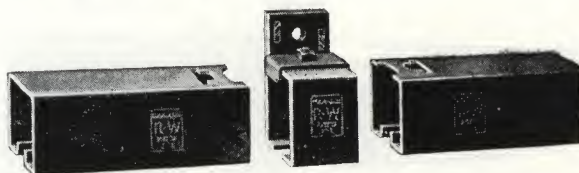
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 5-3/4 lbs.



Lock-Joint Track and Brackets

•Track (No. 31 Lock-Joint Trolley Track)

•Construction

No. 16 gauge steel.

•Dimensions

1-3/4" x 2-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', 10', and 12' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

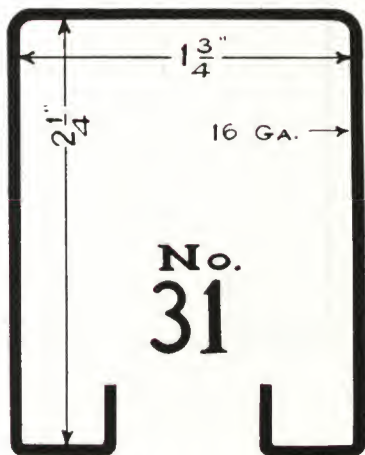
1-2/3 lbs. per foot.

•Track Brackets—Order Separately

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center brackets to complete spacing on not more than 30" centers.



Full Size Cross-Section of
No. 31 Trolley Track

For other types of track brackets, see pages 92-95.

No. 25 "Peerless" Industrial Door Hangers

For doors weighing up to 300 lbs.

For trucks (hangers less aprons) see page 77

•Made in Two Sizes

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 2-3/4" thick.

•Head Clearance

Distance top of door to bottom of track: minimum, 1-3/16"; maximum, 2-5/16".

Bottom of track to center of hole in bracket, 3-1/2".

•Use

For sliding doors 1-3/4" to 2-3/4" thick, weighing up to 300 lbs.

Aprons must be let into doors of maximum thickness.

•Construction

Wheels, steel, 2-1/8" diameter. Roller bearings.

Lateral and vertical adjustment. Apron, 7-1/2" long, 4" wide, 9/64" thick.

•Finish

Trucks, cadmium plated.

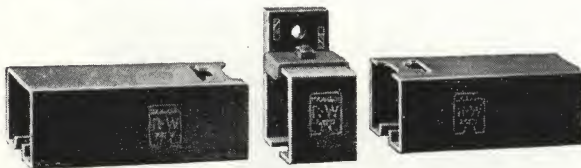
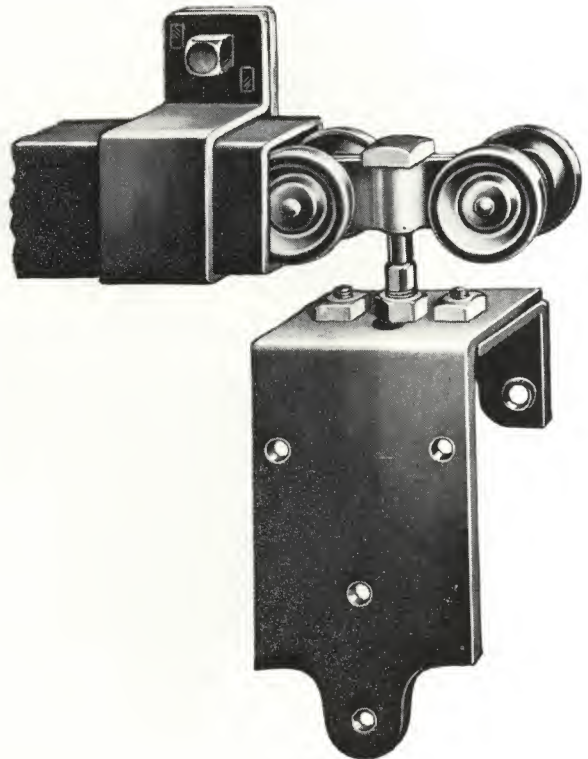
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 7-1/2 lbs.



Lock-Joint Track and Brackets

•Track (No. 31 Lock-Joint Trolley Track)

•Construction

No. 16 gauge steel.

•Dimensions

1-3/4" x 2-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', 10', and 12' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

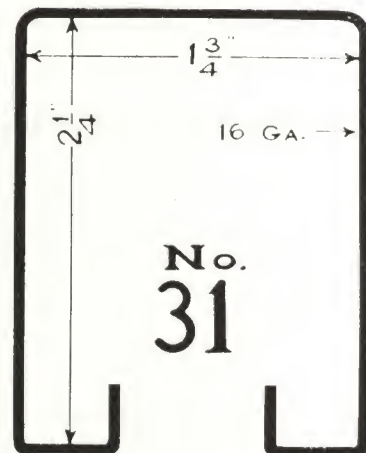
1-2/3 lbs. per foot.

•Track Brackets—Order Separately

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center brackets to complete spacing on not more than 30" centers.



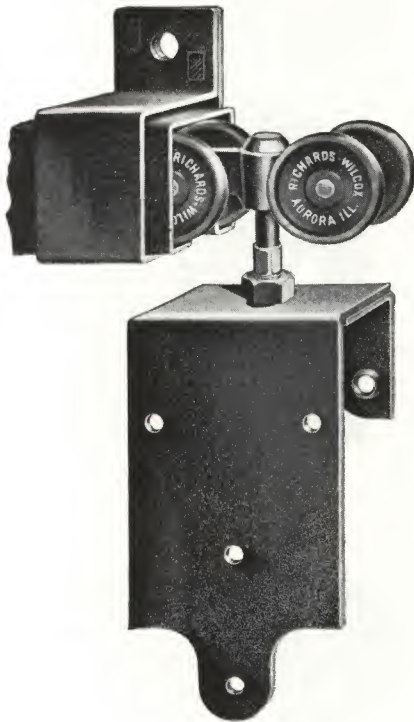
Full Size Cross-Section of
No. 31 Trolley Track

For other types of track brackets, see pages 92-95.

No. 27 $\frac{1}{2}$ -B "Expansion" Industrial Door Hangers

For doors weighing up to 300 lbs.

For trucks (hangers less aprons) see page 77



- **Made in Two Sizes**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 2-3/4" thick.

Both sizes available in either rigid frame (27-1/2B) or knuckle-joint frame (27-1/2BKJ).

- **Head Clearance**

Distance top of door to bottom of track: minimum, 1-3/16"; maximum, 2-5/16".

Bottom of track to center of hole in bracket, 3-1/2".

- **Use**

For doors 1-3/4" to 2-3/4" thick, weighing up to 300 lbs.

Aprons must be let into doors of maximum thickness.

- **Construction.**

Wheels, drop forged steel, 2-1/8" diameter. Ball bearings. Frame, drop forged steel, rigid or knuckle-joint. Lateral and vertical adjustment. Apron, 7-1/2" long, 4" wide, 9/64" thick.

- **Finish**

Trucks, cadmium plated.

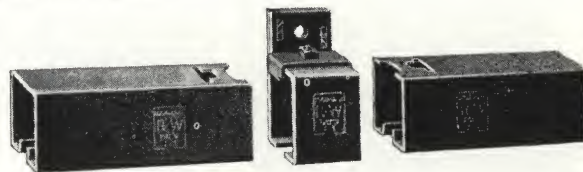
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 6-1/2 lbs.



Lock-Joint Track and Brackets

- **Track (No. 31 Lock-Joint Trolley Track)**

- **Construction**

No. 16 gauge steel.

- **Dimensions**

1-3/4" x 2-1/4" inside dimensions.

- **Stock Lengths**

4', 6', 8', 10', and 12' lengths.

- **Finish**

Gray enamel or galvanized.

- **Weight**

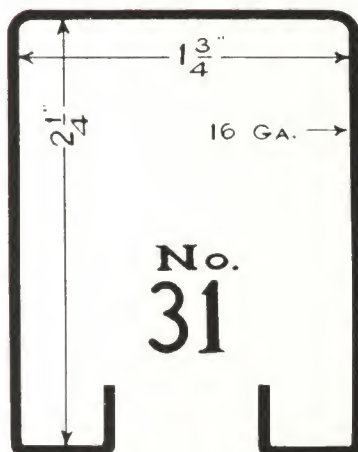
1-2/3 lbs. per foot.

- **Track Brackets—Order Separately**

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center brackets to complete spacing on not more than 30" centers.



Full Size Cross-Section of
No. 31 Trolley Track

For other types of track brackets, see pages 92-95.

Nos. 26 and 226 Door Hangers

For doors weighing up to 300 lbs.

•Head Clearance

Distance top of door to bottom of track:

No. 26, minimum, 1"; maximum, 2-3/8".

No. 226, minimum, 1"; maximum, 2-3/4".

•Use

No. 26, for doors 1-3/4" or more in thickness.

No. 226, for doors 1-3/8" or more in thickness.

For doors weighing up to 300 lbs.

•Construction

Wheels, drop forged steel, 2-1/8" in diameter.

Frames, drop forged steel.

Bearings, hardened balls.

Adjustment, No. 26, lateral and vertical. No. 226, vertical only.

No. 26 apron, 4" long, 3-1/2" wide, 3/16" thick.

No. 226 top plate, regular, 1-3/8" wide, 5" long. For thinner doors, specify plate, 1" wide, 3-1/2" long.

•Finish

No. 26 trucks, cadmium plated.

Aprons, gray enamel, regular.

No. 226 trucks and top plates, cadmium plated.

•Packed

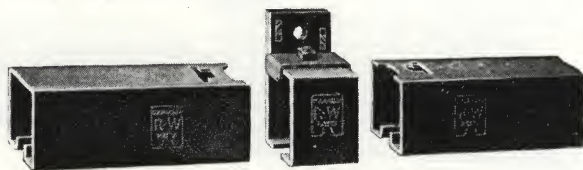
No. 26, one pair in box with bolts and screws.

No. 226, one pair in box with screws only.

•Weight

No. 26, per pair, 5-3/4 lbs.

No. 226, per pair, 4-1/4 lbs.



Lock-Joint Track and Brackets

•Track (No. 31 Lock Joint Trolley Track)

•Construction

No. 16 gauge steel.

•Dimensions

1-3/4" x 2-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', 10', and 12' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

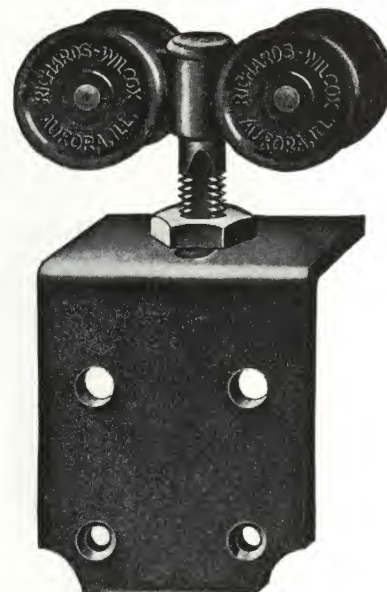
1-2/3 lbs. per foot.

•Track Brackets—Order Separately

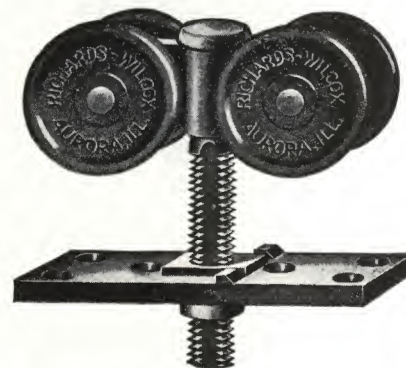
No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

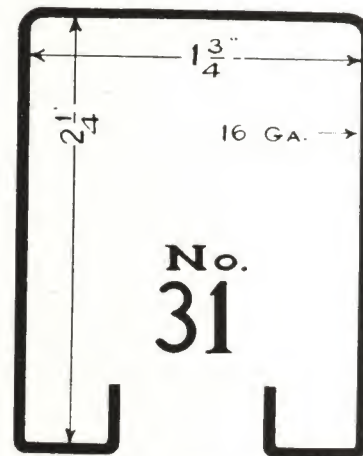
No. 1 x 31 center brackets to complete spacing on not more than 30" centers.



No. 26



No. 226

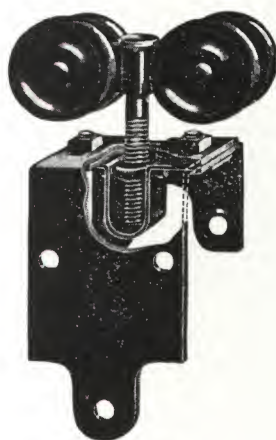


Full Size Cross-Section of
No. 31 Track

For other types of track brackets, see pages 92-95.

No. 223 Trolley Track Door Hangers

For doors weighing up to 300 lbs.



No. 223

●Head Clearance

Distance top of door to bottom of track: minimum, 1"; maximum, 1-3/4".

Bottom of track to center of hole in bracket, 3-1/2".

●Use

For doors 1-3/4" to 2-1/2" thick, weighing up to 300 lbs.

●Construction

Steel wheels, 2-1/8" diameter. Roller bearings. Adjustment, lateral and vertical.

Has a swing-out feature.

Apron, 6" long, 3-1/2" wide, 1/8" thick.

●Finish

Trucks, cadmium plated.

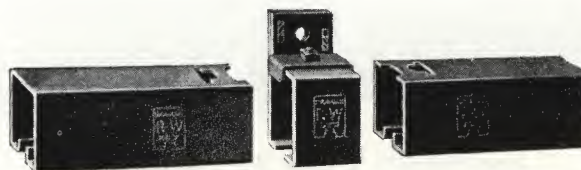
Aprons, gray enamel, regular. Galvanized available when specified.

●Packed

One pair in box with carriage and stove bolts.

●Weight

Per pair, 5-1/2 lbs.



Lock-Joint Track and Brackets

●Track (No. 31 Lock-Joint Trolley Track)

●Construction

No. 16 gauge steel.

●Dimensions

1-3/4" x 2-1/4" inside dimensions.

●Stock Lengths

4', 6', 8', 10', and 12' lengths.

●Finish

Gray enamel, regular. Galvanized available when specified.

●Weight

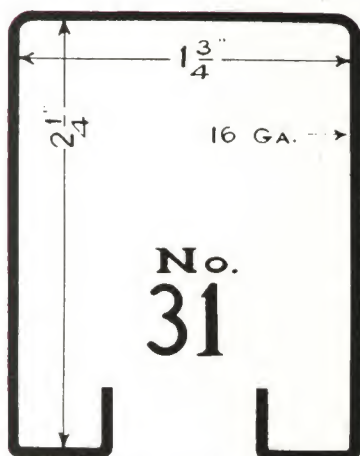
1-2/3 lbs. per foot.

●Track Brackets—Order Separately

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center brackets to complete spacing on not more than 30" centers.



Full Size Cross-Section of
No. 31 Trolley Track

No. 621 "Justaflex" Barn Door Hangers

For doors weighing up to 300 lbs.

•Head Clearance

Distance top of door to bottom of track: minimum, 2-3/8"; maximum, 3".

Bottom of track to center of hole in bracket, 3-1/2".

•Use

For doors 1-3/4" to 2-1/2" thick, weighing up to 300 lbs.

•Construction

Wheels, steel, 2-1/8" diameter. Bearings, roller.

Flexible joint. Lateral and vertical adjustment.

Apron, 6" long, 3-1/2" wide, 1/8" thick.

•Finish

Trucks, cadmium plated.

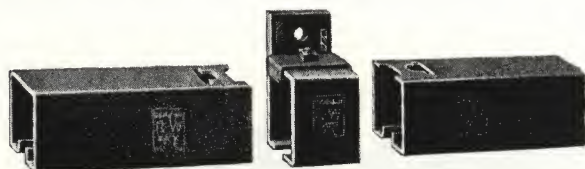
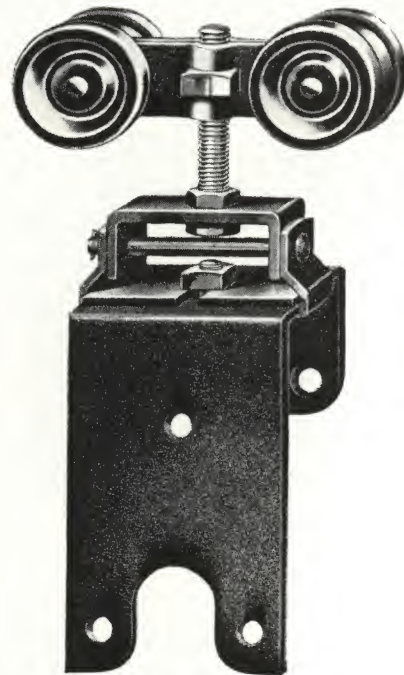
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 6-1/2 lbs.



Lock-Joint Track and Brackets

•Track (No. 31 Lock-Joint Trolley Track)

•Construction

No. 16 gauge steel.

•Dimensions

1-3/4" x 2-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', 10', and 12' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

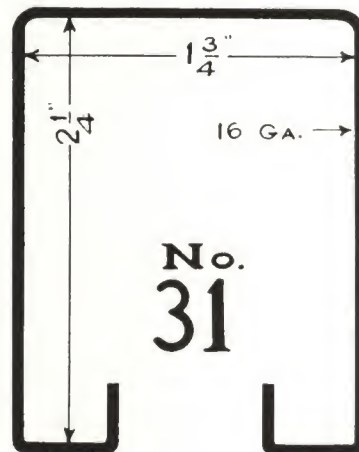
Per foot, 1-2/3 lbs.

•Track Brackets—Order Separately

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center brackets to complete spacing on not more than 30" centers.

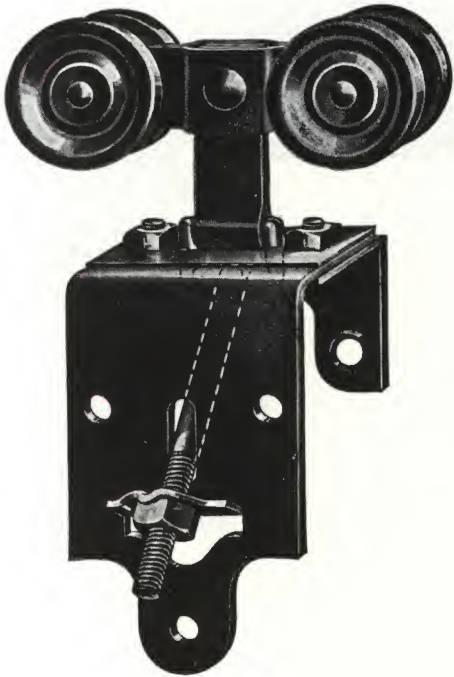


Full Size Cross-Section of
No. 31 Trolley Track

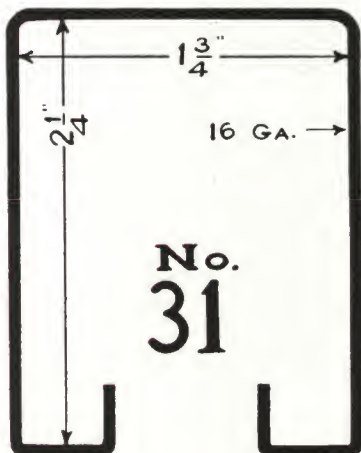
For other types of track brackets, see pages 92-95.

No. 323 Barn Door Hangers

For doors weighing up to 300 lbs.



Locking Nut Through Apron Front for Easy Adjustment



Full Size Cross-Section of No. 31 Trolley Track

•Head Clearance

Distance top of door to bottom of track: minimum, 3/4"; maximum, 1-1/2".

Bottom of track to center of hole in bracket, 3-1/2".

•Use

For doors 1-3/4" to 2-1/4" thick, weighing up to 300 lbs.

•Construction

Wheels, steel, 2-1/8" diameter. Bearings, roller.

Apron, 6" long, 3-1/2" wide, 1/8" thick.

Adjustment, lateral and vertical.

Has a swing-out feature.

•Finish

Trucks, cadmium plated.

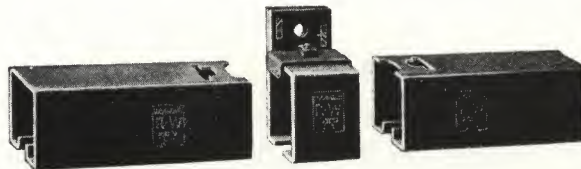
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 5-1/2 lbs.



Lock-Joint Track and Brackets

•Track (No. 31 Lock-Joint Trolley Track)

•Construction

No. 16 gauge steel.

•Dimensions

1-3/4" x 2-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', 10', and 12' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

Per foot, 1-2/3 lbs.

•Track Brackets—Order Separately

No. 2 x 31 end brackets for each end of each run of track.

No. 39 x 31 lock-joint brackets for each joint.

No. 1 x 31 center brackets to complete spacing on not more than 30" centers.

For other types of track brackets, see pages 92-95.

Nos. 421 and 423-35 Barn Door Hangers

For doors weighing up to 300 lbs.

No. 421

- **Head Clearance**

Distance top of door to bottom of track, 1-1/8".
Bottom of track to center of hole in bracket, 3-1/2".

- **Use**

For use with No. 35 track only (see opposite page).
For doors 1-3/4" to 2-1/2" thick, weighing up to 300 lbs.

- **Construction**

Wheels, steel, 2-1/4" diameter.
Bearings, roller.
Flexible joint.
Lateral adjustment.
Apron, 6" long, 3-1/2" wide, 1/8" thick.

- **Finish**

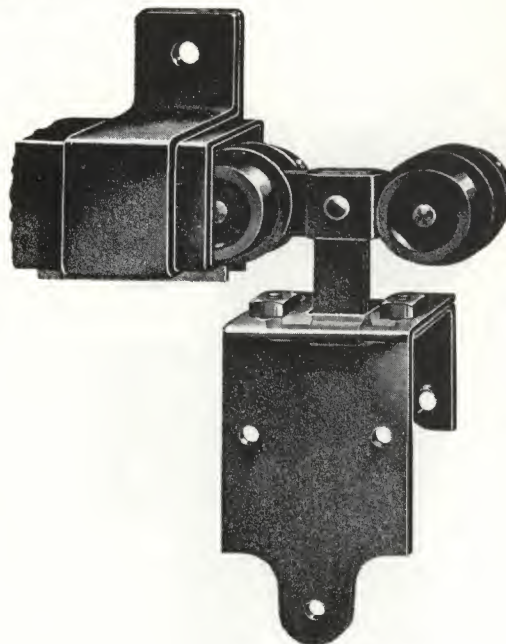
Trucks, cadmium plated.
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 5-3/4 lbs.



No. 421

No. 423-35

- **Head Clearance**

Distance top of door to bottom of track: minimum, 1-1/2"; maximum, 2-1/4".
Bottom of track to center of hole in bracket, 3-1/2".

- **Use**

For use with No. 35 track only (see opposite page).
For doors 1-3/4" to 2-1/2" thick weighing up to 300 lbs.
Aprons must be let into doors of maximum thickness.

- **Construction**

Wheels, steel, 2-1/4" diameter.
Bearings, roller.
Flexible joint.
Lateral and vertical adjustment.
Apron, 6" long, 3-1/2" wide, 1/8" thick.

- **Finish**

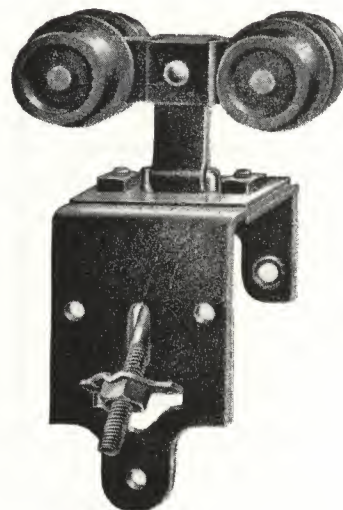
Trucks, cadmium plated.
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 6 lbs.

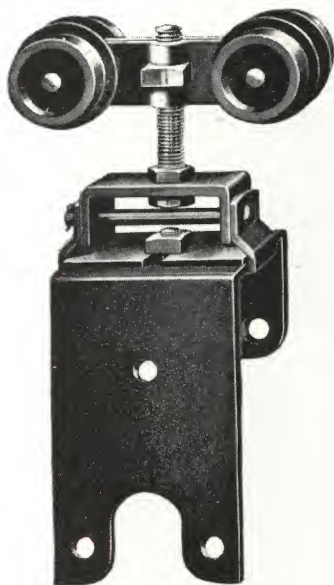


No. 423-35

Locking Nut Through
Apron Front for Easy
Adjustment

No. 721 "Flexadjust" Barn Door Hangers

For doors weighing up to 300 lbs.



●Head Clearance

Distance top of door to bottom of track: minimum, 2-5/8"; maximum, 3-1/2".

Bottom of track to center of hole in bracket, 3-1/2".

●Use

For doors 1-3/4" to 2-1/2" thick, weighing up to 300 lbs.

Aprons must be let into doors of maximum thickness.

●Construction

Wheels, steel, 2-1/4" diameter. Bearings, roller. Flexible joint. Lateral and vertical adjustment. Apron, 6" long, 3-1/2" wide, 1/8" thick.

●Finish

Trucks, cadmium plated.

Aprons, gray enamel, regular. Galvanized available when specified.

●Packed

One pair in box with carriage and stove bolts.

●Weight

Per pair, 7-1/2 lbs.

Lock-Joint Track and Brackets

●Track (No. 35 Lock-Joint Trolley Track)

●Construction

No. 14 gauge steel.

●Dimensions

1-23/32" x 2-7/32" inside dimensions.

●Stock Lengths

4', 6', 8', and 10', lengths.

●Finish

Gray enamel, regular. Galvanized available when specified.

●Weight

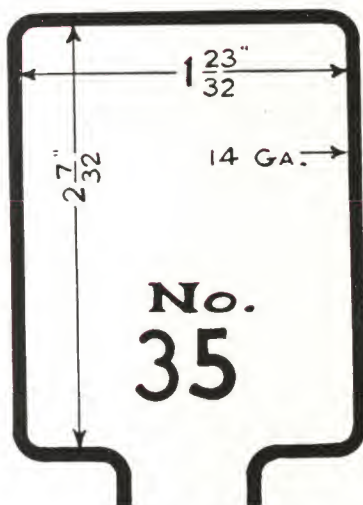
Per foot, 2-1/4 lbs.

●Track Brackets—Order Separately

No. 2 x 35 end brackets for each end of each run of track.

No. 39 x 35 lock-joint brackets for each joint.

No. 1 x 35 center brackets to complete spacing on not more than 30" centers.



Full Size Cross-Section
of No. 35 Trolley Track

For other types of track brackets, see pages 92-95.

No. 28V "Premium" Industrial Door Hangers

For doors weighing up to 400 lbs.

For trucks (hangers less aprons) see page 77

● **Made in Two Sizes**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 2-3/4" thick.

● **Head Clearance**

Distance top of door to bottom of track: minimum, 1-13/16"; maximum, 2-5/16".

Bottom of track to center of hole in bracket, 4-1/4".

● **Use**

For doors 1-3/4" to 2-3/4" thick (see above), weighing up to 400 lbs.

● **Construction**

Wheels, steel, 2-1/2" diameter. Roller bearings.

Lateral and vertical adjustment. Apron, 7-1/2" long, 4" wide, 9/64" thick.

● **Finish**

Trucks, cadmium plated.

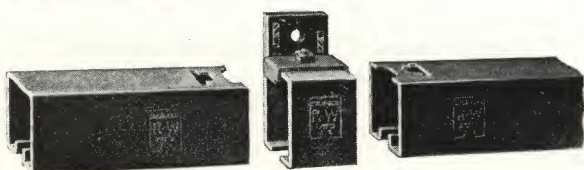
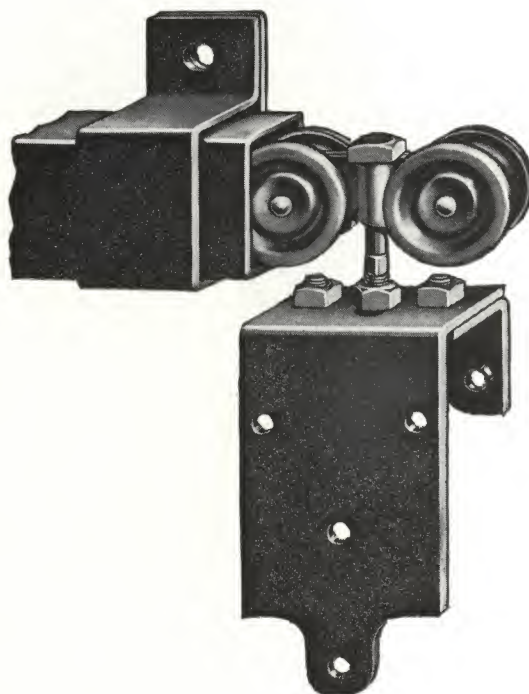
Aprons, gray enamel, regular. Galvanized available when specified.

● **Packed**

One pair in box with carriage and stove bolts.

● **Weight**

Per pair, 8-3/4 lbs.



Lock-Joint Track and Brackets

● **Track (No. 32 Lock-Joint Trolley Track)**

● **Construction**

No. 14 gauge steel.

● **Dimensions**

1-7/8" x 2-13/16" inside dimensions.

● **Stock Lengths**

4', 6', 8', and 10' lengths.

● **Finish**

Gray enamel, regular. Galvanized available when specified.

● **Weight**

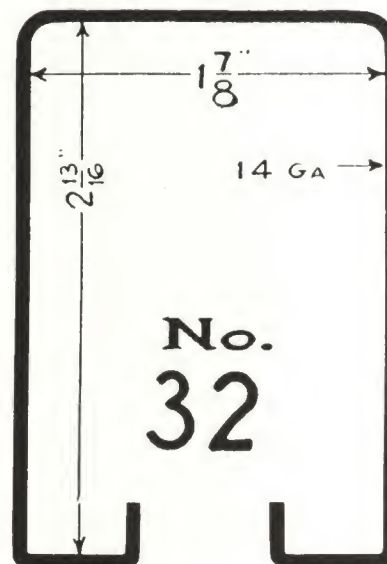
Per foot, 2-1/2 lbs.

● **Track Brackets—Order Separately**

No. 2 x 32 end brackets for each end of each run of track.

No. 39 x 32 lock-joint brackets for each joint.

No. 1 x 32 center brackets to complete spacing on not more than 24" centers.



Full Size Cross-Section
of No. 32 Trolley Track

For other types of track brackets, see pages 92-95.

No. 28 $\frac{1}{2}$ -B "Supreme" Industrial Door Hangers

For doors weighing up to 400 lbs.

For trucks (hangers less aprons) see page 77



- **Made in Two Sizes**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 2-3/4" thick.

Both sizes available in either rigid frame (28-1/2B) or knuckle-joint frame (28-1/2BKJ).

- **Head Clearance**

Distance top of door to bottom of track: minimum, 1-3/16"; maximum, 2-5/16".

Bottom of track to center of hole in bracket, 4-1/4".

- **Use**

For doors 1-3/4" to 2-3/4" thick (see above), weighing up to 400 lbs. Aprons must be let into doors of maximum thickness.

- **Construction**

Wheels, drop forged steel, 2-1/2" diameter. Ball bearings. Lateral and vertical adjustment. Apron, 7-1/2" long, 4" wide, 9/64" thick.

- **Finish**

Trucks, cadmium plated.

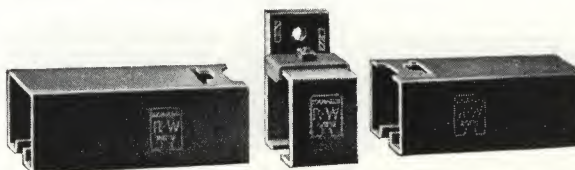
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 9-3/4 lbs.



Lock-Joint Track and Brackets

- **Track (No. 32 Lock-Joint Trolley Track)**

- **Construction**

No. 14 gauge steel.

- **Dimensions**

1-7/8" x 2-13/16" inside dimensions.

- **Stock Lengths**

4', 6', 8', and 10' lengths.

- **Finish**

Gray enamel, regular. Galvanized available when specified.

- **Weight**

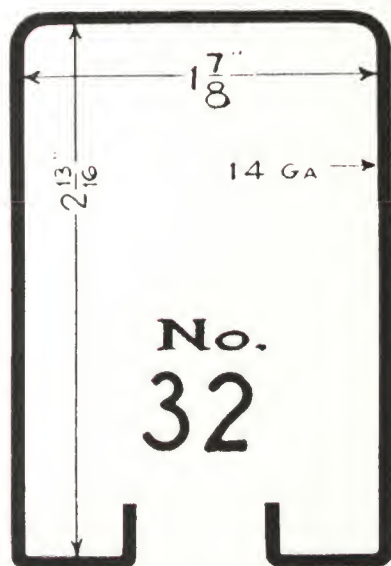
Per foot, 2-1/2 lbs.

- **Track Brackets—Order Separately**

No. 2 x 32 end brackets for each end of each run of track.

No. 39 x 32 lock-joint brackets for each joint.

No. 1 x 32 center brackets to complete spacing on not more than 24" centers.



Full Size Cross-Section
of No. 32 Trolley Track

For other types of track brackets, see pages 92-95.

No. 29V "Economy" Industrial Door Hangers

For doors weighing up to 600 lbs.

For trucks (hangers less aprons) see page 77

● **Made in Two Sizes**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 2-3/4" thick.

● **Head Clearance**

Distance top of door to bottom of track: minimum, 1-1/8"; maximum, 2-1/2".

Bottom of track to center of hole in bracket, 4-11/16".

● **Use**

For doors 1-3/4" to 2-3/4" thick (see above), weighing up to 600 lbs.

Aprons must be let into doors of maximum thickness.

● **Construction**

Wheels, steel, 3" diameter. Roller bearings.

Lateral and vertical adjustment. Apron: 7-1/2" long, 4" wide, 9/64" thick.

● **Finish**

Trucks, cadmium plated.

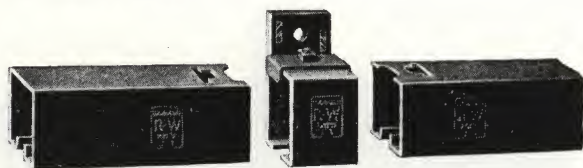
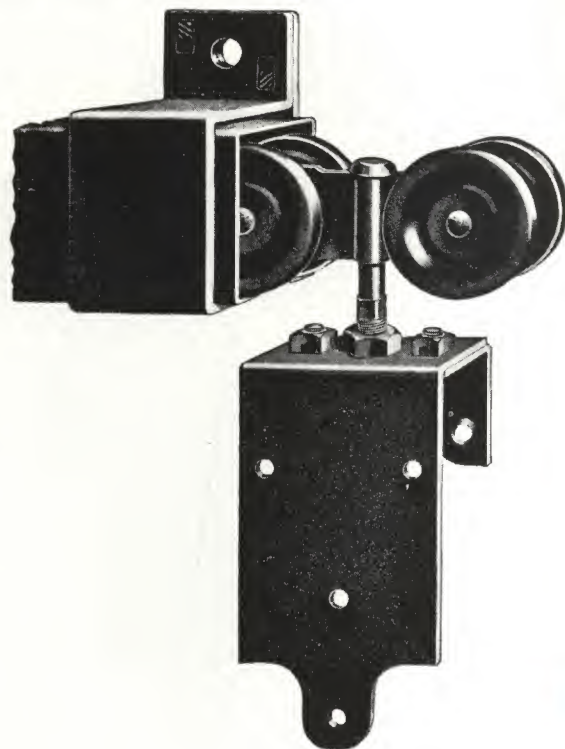
Aprons, gray enamel, regular. Galvanized available when specified.

● **Packed**

One pair in box with carriage and stove bolts.

● **Weight**

Per pair, 11 lbs.



Lock-Joint Track and Brackets

● **Track (No. 232 Lock-Joint Trolley Track)**

● **Construction**

No. 14 gauge steel.

● **Dimensions**

2-7/32" x 3-1/4" inside dimensions.

● **Stock Lengths**

4', 6', 8', and 10' lengths.

● **Finish**

Gray enamel, regular. Galvanized available when specified.

● **Weight**

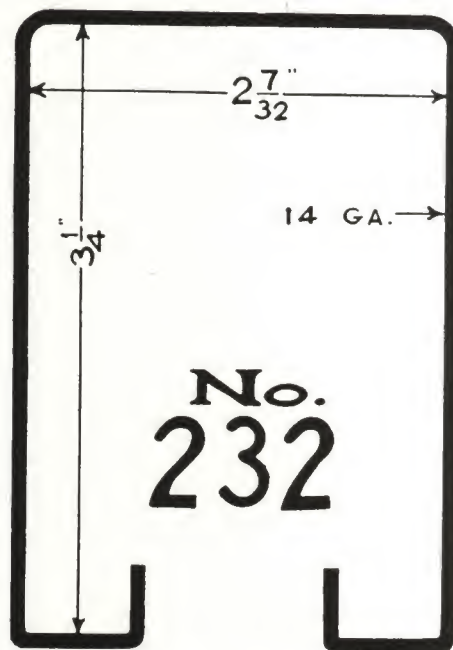
Per foot, 2-3/4 lbs.

● **Track Brackets—Order Separately**

No. 2 x 232 end brackets for each end of each run of track.

No. 39 x 232 lock-joint brackets for each joint.

No. 1 x 232 center brackets to complete spacing on not more than 24" centers.



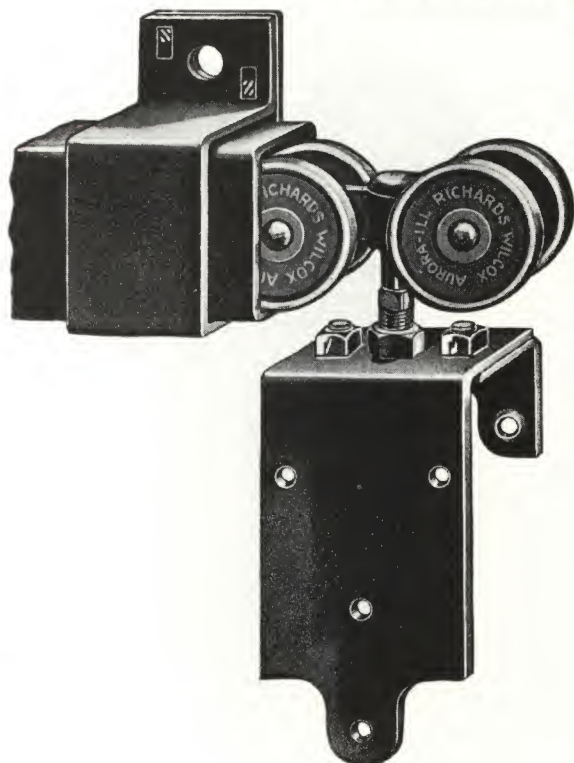
Full Size Cross-Section
of No. 232 Trolley Track

For other types of track brackets, see pages 92-95.

No. 29 $\frac{1}{2}$ -B "No Fault" Industrial Door Hangers

For doors weighing up to 600 lbs.

For trucks (hangers less aprons) see page 77



- **Made in Two Sizes**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 2-3/4" thick.

Both sizes available in either rigid frame (29-1/2B) or knuckle-joint frame (29-1/2BKJ).

- **Head Clearance**

Distance top of door to bottom of track: minimum, 1-1/8"; maximum, 2".

Bottom of track to center of hole in bracket, 4-11/16".

- **Use**

For doors 1-3/4" to 2-3/4" thick (see above), weighing up to 600 lbs. Aprons must be let into doors of maximum thickness.

- **Construction**

Wheels, drop forged steel, 3" diameter. Ball bearings.

Frame, rigid or knuckle-joint (please specify). Lateral and vertical adjustment. Apron, 7-1/2" long, 4" wide, 9/64" thick.

- **Finish**

Trucks, cadmium plated.

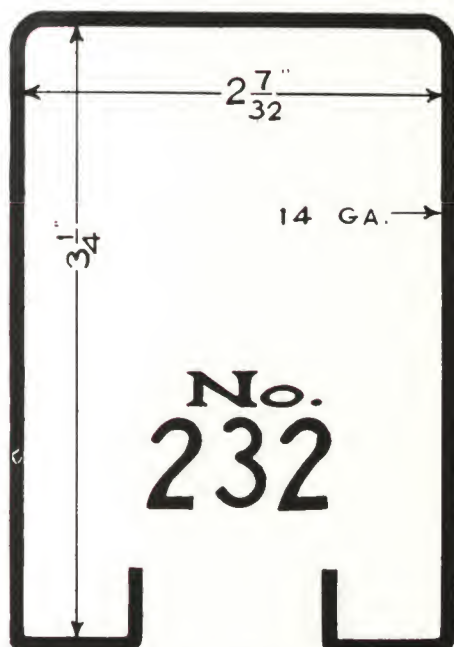
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

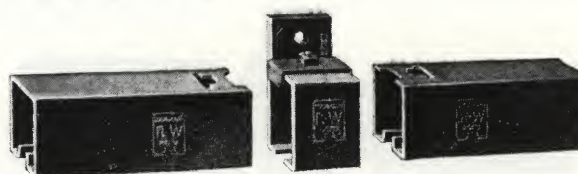
One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 11-3/4 lbs.



Full Size Cross-Section
of No. 232 Trolley Track



Lock-Joint Track and Brackets

- **Track (No. 232 Lock-Joint Trolley Track)**

- **Construction**

No. 14 gauge steel.

- **Dimensions**

2-7/32" x 3-1/4" inside dimensions.

- **Stock Lengths**

4', 6', 8', and 10' lengths.

- **Finish**

Gray enamel, regular. Galvanized available when specified.

- **Weight**

Per foot, 2-3/4 lbs.

- **Track Brackets—Order Separately**

No. 2 x 232 end brackets for each end of each run of track.

No. 39 x 232 lock-joint brackets for each joint.

No. 1 x 232 center brackets to complete spacing on not more than 24" centers.

For other types of track brackets, see pages 92-95.

No. 121 "Sampson" Industrial Door Hangers

For doors weighing up to 800 lbs.

For trucks (hangers less aprons) see page 77

• **Made in Two Sizes.**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 3" thick.

• **Head Clearance**

Distance top of door to bottom of track: minimum, 1-1/4"; maximum, 2-3/8".

Bottom of track to center of hole in bracket, 5".

• **Use**

For doors 1-3/4" to 3" thick (see above), weighing up to 800 lbs. Aprons must be let into doors of maximum thickness.

• **Construction**

Wheels, steel, 3" diameter. Roller bearings. Lateral and vertical adjustment. Apron: 9-1/2" long, 4" wide, 3/16" thick.

• **Finish**

Trucks, cadmium plated.

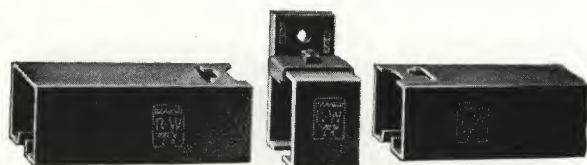
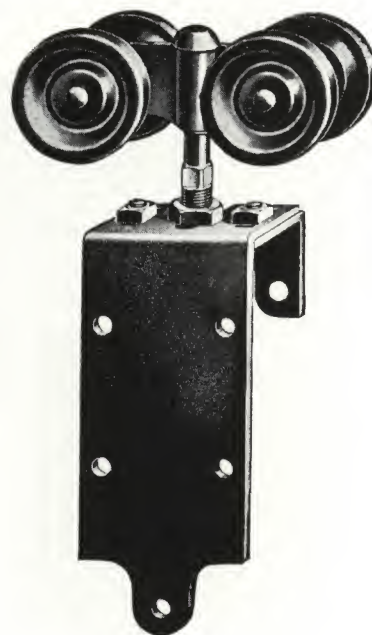
Aprons, gray enamel, regular. Galvanized available when specified.

• **Packed**

One pair hangers with carriage and stove bolts in a box.

• **Weight**

Per pair, 18 lbs.



Lock-Joint Track and Brackets

• **Track (No. 33 Lock-Joint Trolley Track)**

• **Construction**

No. 13 gauge steel.

• **Dimensions**

2-5/8" x 3-1/4" inside dimensions.

• **Stock Lengths**

4', 6', 8', and 10' lengths.

• **Finish**

Gray enamel, regular. Galvanized available when specified.

• **Weight**

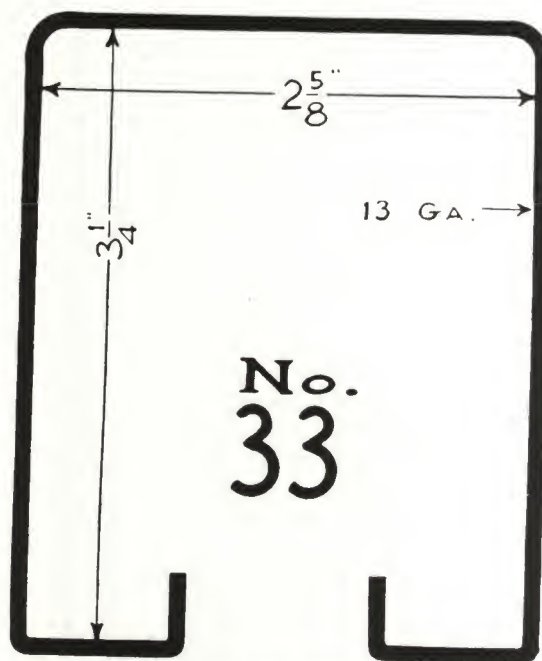
Per foot, 4 lbs.

• **Track Brackets—Order Separately**

No. 2 x 33 end brackets for each end of each run of track.

No. 39 x 33 lock-joint brackets for each joint.

No. 1 x 33 center brackets to complete spacing on not more than 24" centers.



Full Size Cross-Section of
No. 33 Trolley Track

For other types of track brackets, see pages 92-95.

No. 123 $\frac{1}{2}$ -B "Victor" Industrial Door Hangers

For doors weighing up to 800 lbs.

For trucks (hangers less aprons) see page 77



- **Made in Two Sizes**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 3" thick.

Both sizes available in either rigid frame (123-1/2B) or knuckle-joint frame (123-1/2BKJ).

- **Head Clearance**

Distance top of door to bottom of track: minimum, 1-1/2"; maximum, 2-5/8".

Bottom of track to center of hole in bracket, 5".

- **Use**

For doors 1-3/4" to 3" thick (see above) weighing up to 800 lbs.

- **Construction**

Wheels, drop forged steel, 3" diameter. Ball bearings.

Frame, rigid or knuckle-joint, as specified. Lateral and vertical adjustment. Apron, 9-1/2" long, 4" wide, 3/16" thick.

- **Finish**

Trucks, cadmium plated.

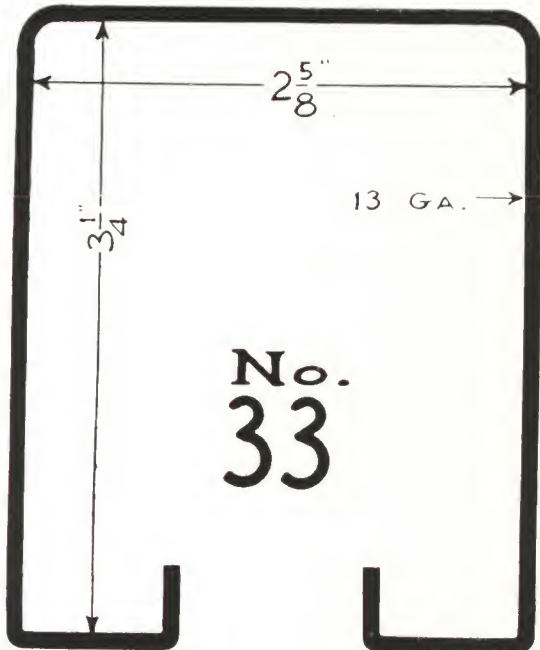
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

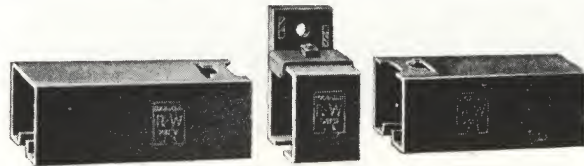
One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 16-3/4 lbs.



Full Size Cross-Section of
No. 33 Trolley Track



Lock-Joint Track and Brackets

- **Track (No. 33 Lock-Joint Trolley Track)**

- **Construction**

No. 13 gauge steel.

- **Dimensions**

2-5/8" x 3-1/4" inside dimensions.

- **Stock Lengths**

4', 6', 8', and 10' lengths.

- **Finish**

Gray enamel, regular. Galvanized available when specified.

- **Weight**

Per foot, 4 lbs.

- **Track Brackets—Order Separately**

No. 2 x 33 end brackets for each end of each run of track.

No. 39 x 33 lock-joint brackets for each joint.

No. 1 x 33 center brackets to complete spacing on not more than 24" centers.

For other types of track brackets, see pages 92-95.

No. 150 "Jumbo" Wharf and Industrial Door Hangers

For doors weighing up to 800 lbs.

- **Made in Two Sizes**

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 3" thick.

- **Head Clearance**

Distance top of door to bottom of track: minimum, 1-1/4", maximum, 2-3/8".

Bottom of track to center of hole in bracket, 5".

- **Use**

For doors 1-3/4" to 3" thick (see above) weighing up to 800 lbs. Aprons must be let into doors of maximum thickness.

- **Construction**

Wheels, steel, 3" diameter. Roller bearings. Lateral and vertical adjustment. Apron, 9-1/2" long, 4" wide, 3/16" thick.

- **Finish**

Trucks, cadmium plated.

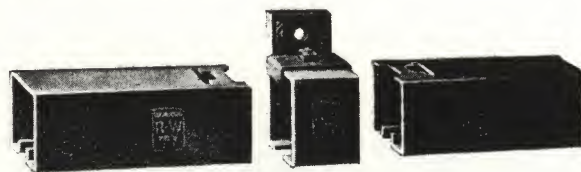
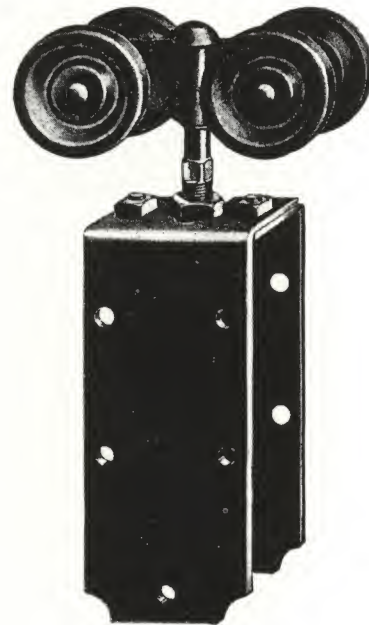
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 18-3/4 lbs.



Lock-Joint Track and Brackets

- **Track (No. 33 Lock-Joint Trolley Track)**

- **Construction**

No. 13 gauge steel.

- **Dimensions**

2-5/8" x 3-1/4" inside dimensions.

- **Stock Lengths**

4', 6', 8', and 10' lengths.

- **Finish**

Gray enamel, regular. Galvanized available when specified.

- **Weight**

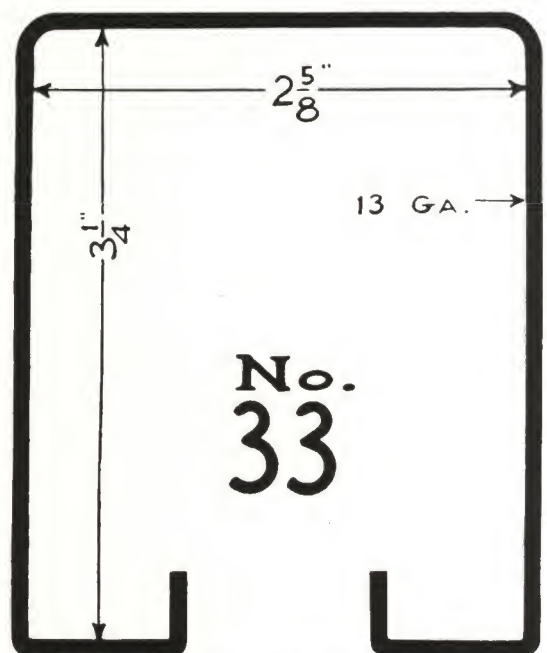
Per foot, 4 lbs.

- **Track Brackets—Order Separately**

No. 2 x 33 end brackets for each end of each run of track.

No. 39 x 33 lock-joint brackets for each joint.

No. 1 x 33 center brackets to complete spacing on not more than 24" centers.

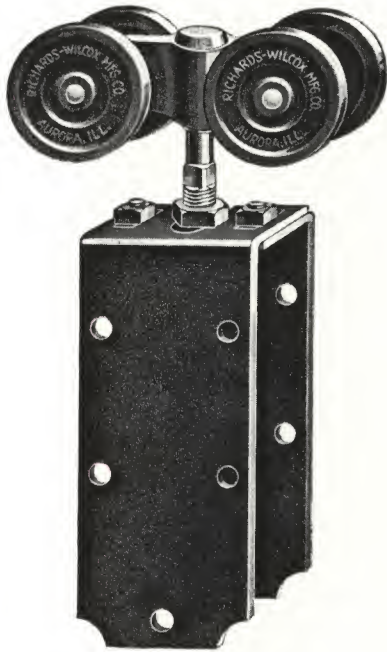


Full Size Cross-Section of
No. 33 Trolley Track

For other types of track brackets, see pages 92-95.

No. 150 $\frac{1}{2}$ -B "Over-All" Wharf and Industrial Door Hangers

For doors weighing up to 800 lbs.



Both Sizes Available in Either Rigid Frame
150 $\frac{1}{2}$ B or Knuckle Joint Frame 150 $\frac{1}{2}$ BKJ

•Made in Two Sizes

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 3" thick.

•Head Clearance

Distance top of door to bottom of track: minimum, 1-1/2"; maximum, 2-5/8".

Bottom of track to center of hole in bracket, 5".

•Use

For doors 1-3/4" to 3" thick (see above) weighing up to 800 lbs. Aprons must be let into doors of maximum thickness.

•Construction

Wheels, drop forged steel, 3" diameter. Ball bearings.

Frame, rigid or knuckle-joint, as specified. Lateral and vertical adjustment. Apron, 9-1/2" long, 4" wide, 3/16" thick.

•Finish

Trucks, cadmium plated.

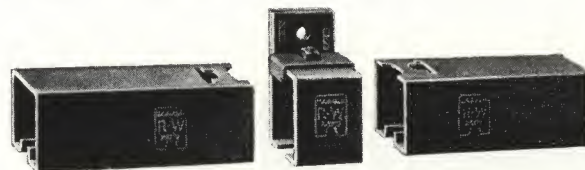
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 20-1/2 lbs.



Lock-Joint Track and Brackets

•Track (No. 33 Lock-Joint Trolley Track)

•Construction

No. 13 gauge steel.

•Dimensions

2-5/8" x 3-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', and 10' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

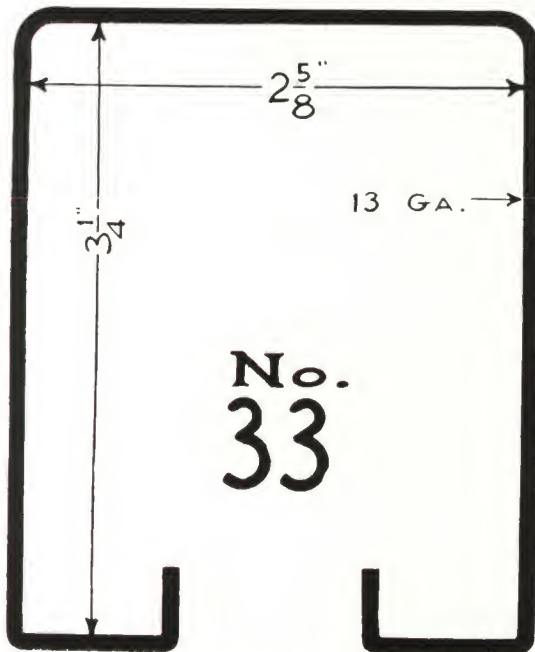
Per foot, 4 lbs.

•Track Brackets—Order Separately

No. 2 x 33 end brackets for each end of each run of track.

No. 39 x 33 lock-joint brackets for each joint.

No. 1 x 33 center brackets to complete spacing on not more than 24" centers.



Full Size Cross-Section of
No. 33 Trolley Track

For other types of track brackets, see pages 92-95.

No. 286 Swivel Hanger

For doors weighing approximately 1,000 lbs.

•Made in Two Sizes

- No. 1, for doors 1-3/4" to 2" thick.
- No. 2, for doors 2-1/4" to 3" thick.

•Head Clearance

- Distance top of door to bottom of track: minimum, 4-7/8"; maximum, 6-5/8".
- Bottom of track to center of hole in bracket, 5".

•Use

- For straight and curved tracks.
- For wood doors specify hangers with aprons.
- For steel doors specify trucks only.
- For doors 1-3/4" to 3" thick (see above).

•Construction

- Wheels, drop forged steel, 3" diameter.
- Frame, drop forgings with heavy steel connecting bar.
- Ball bearings. Lateral and vertical adjustment.
- Apron, 9-1/2" long, 4" wide, 3/16" thick.

•Finish

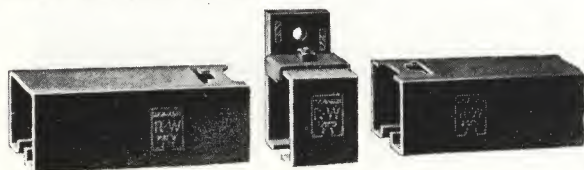
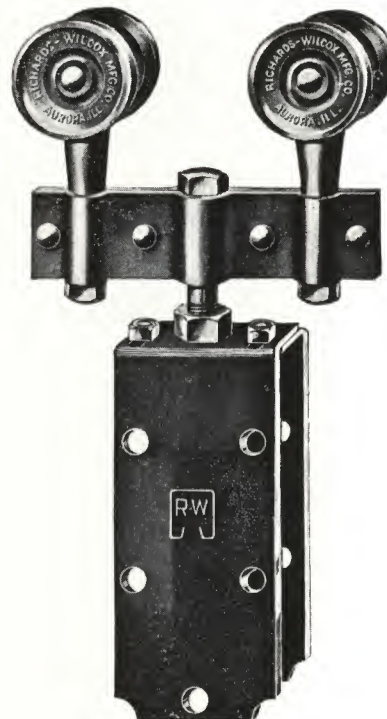
- Trucks, cadmium plated.
- Aprons and connecting bar, gray enamel, regular. Galvanized available when specified.

•Packed

- In bulk, less bolts.

•Weight

- Hangers, per pair, 26 lbs.
- Trucks, per pair, 15 lbs.



Lock-Joint Track and Brackets

•Track (No. 375 Lock-Joint Trolley Track)

•Construction

- No. 10 gauge steel.

•Dimensions

- 2-5/8" x 3-1/4" inside dimensions.

•Stock Lengths

- 4', 6', 8', and 10' lengths.

•Finish

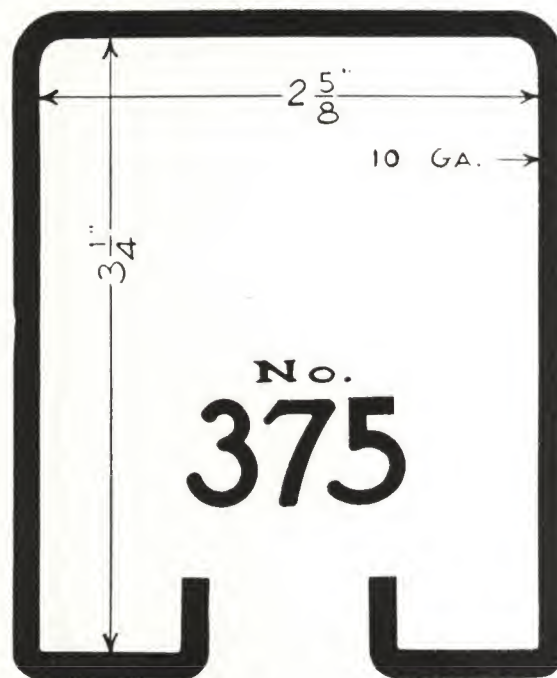
- Gray enamel, regular. Galvanized available when specified.

•Weight

- Per foot, 5-3/4 lbs.

Track Brackets—Order Separately

- No. 2 x 375 end brackets for each end of each run of track.
- No. 39 x 375 lock-joint brackets for each joint.
- No. 1 x 375 center brackets to complete spacing on not more than 24" centers.

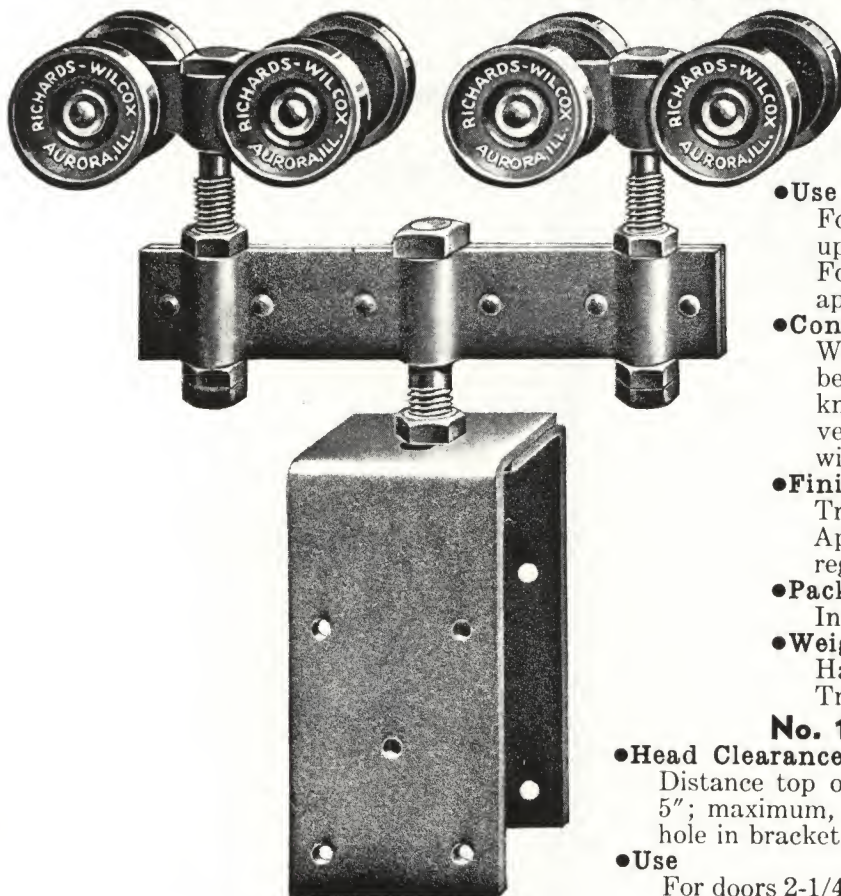


Full Size Cross-Section of
No. 375 Trolley Track

For other types of track brackets, see pages 92-95.

No. 155 and No. 155½-B Wharf and Industrial Door Hangers

For very heavy doors weighing up to 1,600 lbs.



No. 155 (Roller Bearing)

•Head Clearance

Distance top of door to bottom of track: minimum, 5-1/2"; maximum, 7". Bottom of track to center of hole in bracket, 5".

•Use

For doors 2-1/4" to 3-1/2" thick weighing up to 1,600 lbs.

For wood doors, specify hangers with aprons. For steel doors, specify trucks.

•Construction

Wheels, drop forged, 3" diameter. Roller bearing. Frame, malleable iron. Rigid or knuckle-joint, as specified. Lateral and vertical adjustment. Apron 9" long, 4-1/2" wide, and 1/4" thick.

•Finish

Trucks, cadmium plated.

Aprons and connecting bar, gray enamel, regular. Galvanized available when specified.

•Packed

In bulk, less bolts.

•Weight

Hangers, per pair, 40 lbs.

Trucks, per pair, 22 lbs.

No. 155½-B (Ball Bearing)

•Head Clearance

Distance top of door to bottom of track: minimum, 5"; maximum, 6-3/4". Bottom of track to center of hole in bracket, 5".

•Use

For doors 2-1/4" to 3-1/2" thick weighing up to 1,600 lbs.

For wood doors, specify hangers with aprons. For steel doors, specify trucks.

•Construction

Wheels, drop forged steel, 3" diameter.

Frame, drop forged steel. Ball bearings.

Lateral and vertical adjustment. Apron, 9" long, 4-1/2" wide, 1/4" thick.

•Finish

Trucks, cadmium plated.

Aprons and connecting bar, gray enamel, regular. Galvanized available when specified.

•Packed

In bulk, less bolts.

•Weight

Hangers, per pair, 40 lbs.

Trucks, per pair, 27 lbs.

Lock-Joint Track and Brackets

•Track (No. 375 Lock-Joint Trolley Track)

•Construction

No. 10 gauge steel.

•Dimensions

2-5/8" x 3-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', and 10' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

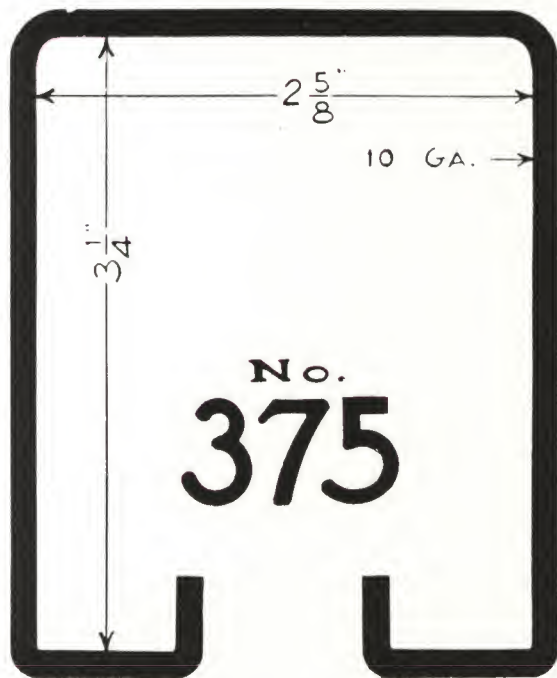
Per foot, 5-3/4 lbs.

•Track Brackets—Order Separately

No. 2 x 375 end brackets for each end of each run of track.

No. 39 x 375 lock-joint brackets for each joint.

No. 1 x 375 center brackets to complete spacing on not more than 24" centers.

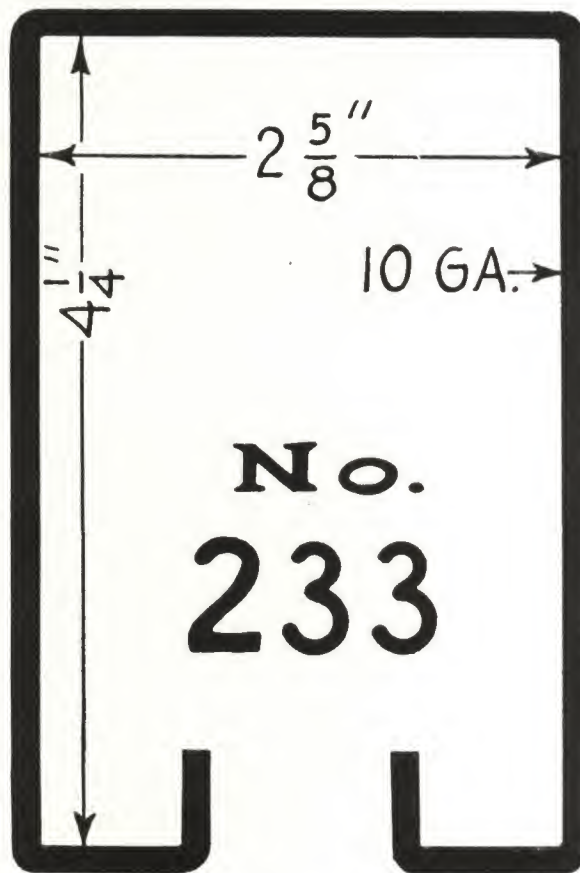
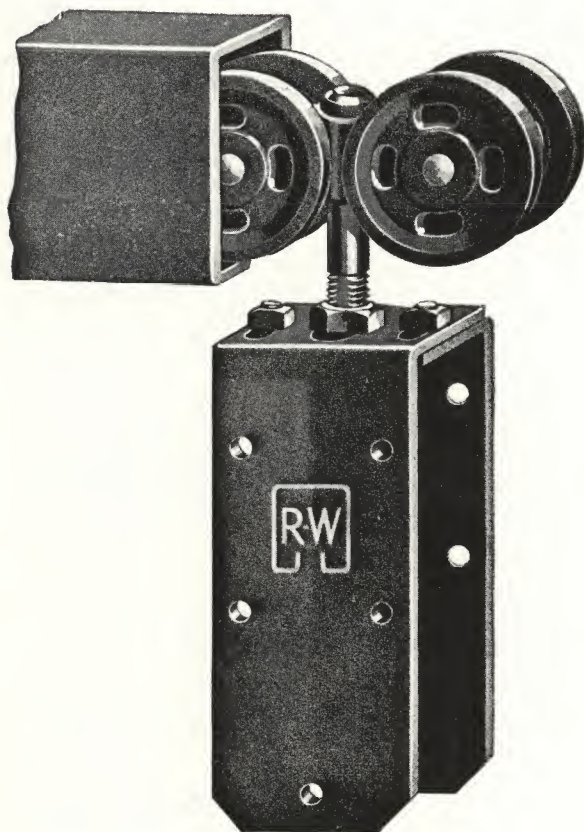


Full Size Cross-Section of No. 375 Trolley Track

For other types of track brackets, see pages 92-95.

No. 499 Wharf and Industrial Door Hangers

For doors weighing up to 1,200 lbs.



•Made in Two Sizes

No. 1, for doors 1-3/4" to 2" thick.

No. 2, for doors 2-1/4" to 3-1/2" thick.

•Head Clearance

Distance top of door to bottom of track: minimum, 1-1/4"; maximum, 2-3/8". Bottom of track to center of hole in bracket, 6-1/4".

•Use

For doors 1-3/4" to 3-1/2" thick (see above) weighing up to 1,200 lbs. For steel doors, specify "Less Aprons."

•Construction

Wheels, gray iron, 4" diameter. Frame, drop forged steel. Ball bearings. Lateral and vertical adjustment. Apron, 9-1/2" long, 4" wide, 3/16" thick.

•Finish

Trucks, cadmium plated.

Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with stove bolts.

•Weight

Hangers, per pair, 23 lbs.

Hangers, less aprons, per pair, 13 lbs.

Lock-Joint Track and Brackets

•Track (No. 233 Lock-Joint Trolley Track)

•Construction

No. 10 gauge steel.

•Dimensions

2-5/8" x 4-1/4" inside dimensions.

•Stock Lengths

4', 6', 8', and 10' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

Per foot, 6-1/2 lbs.

•Track Brackets—Order Separately

No. 2 x 233 end brackets for each end of each run of track.

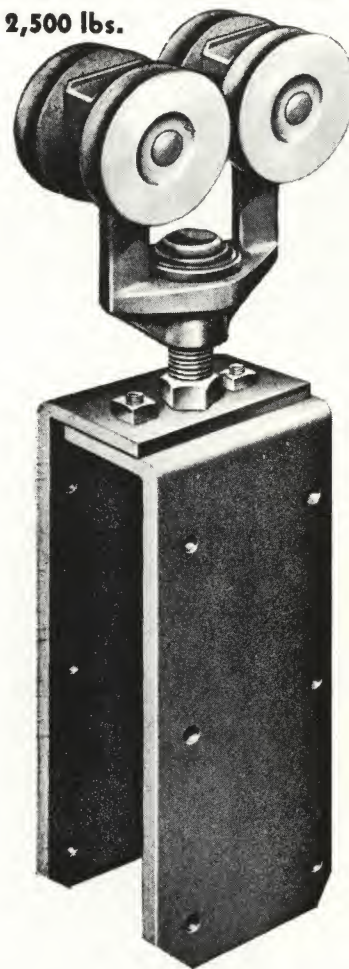
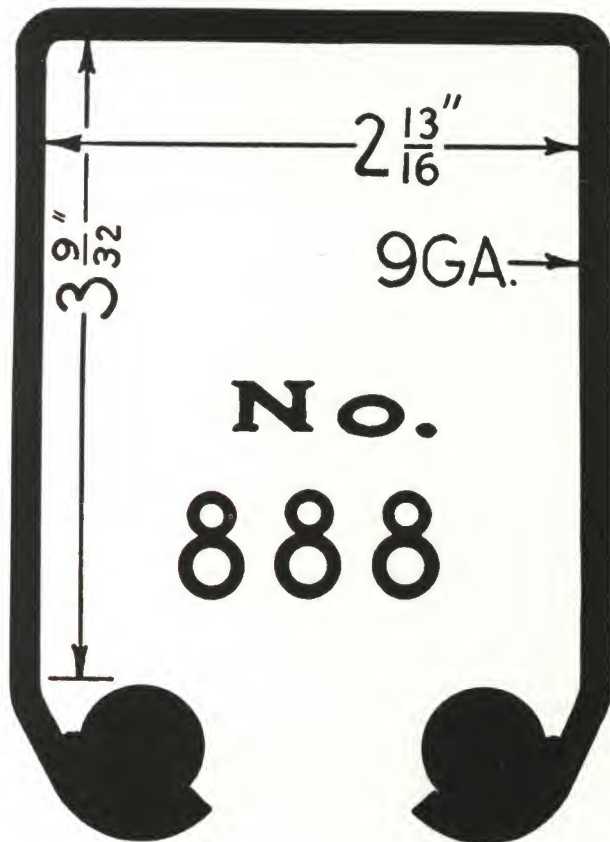
No. 39 x 233 lock-joint brackets for each joint.

No. 1 x 233 center brackets to complete spacing on not more than 24" centers.

For other types of track brackets, see pages 92-95.

No. 888-13 Wharf and Warehouse Door Hangers

For very heavy doors weighing up to 2,500 lbs.



Note

If Hanger with Top Plate, Instead of Apron Is Desired Specify No. 888-3.

Lock-Joint Track and Brackets

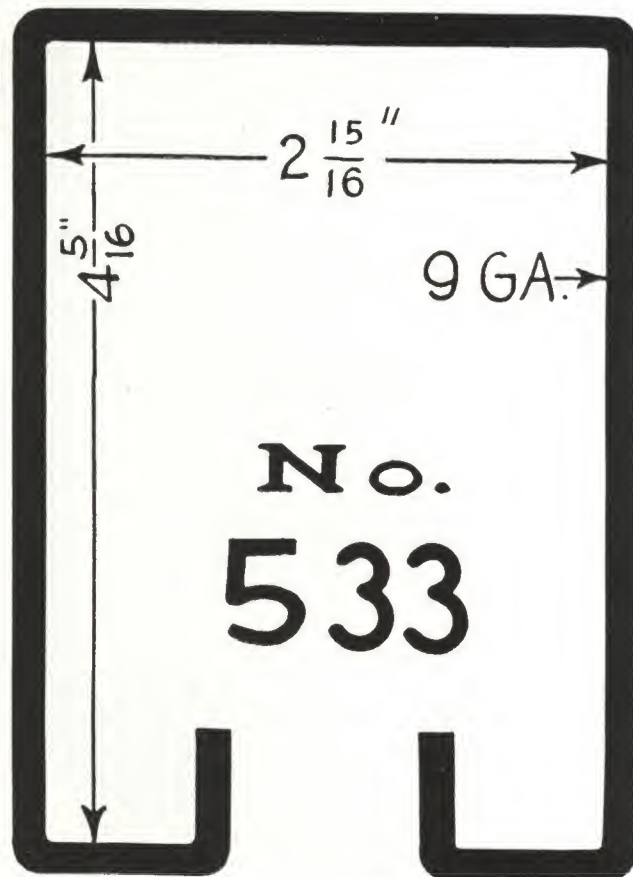
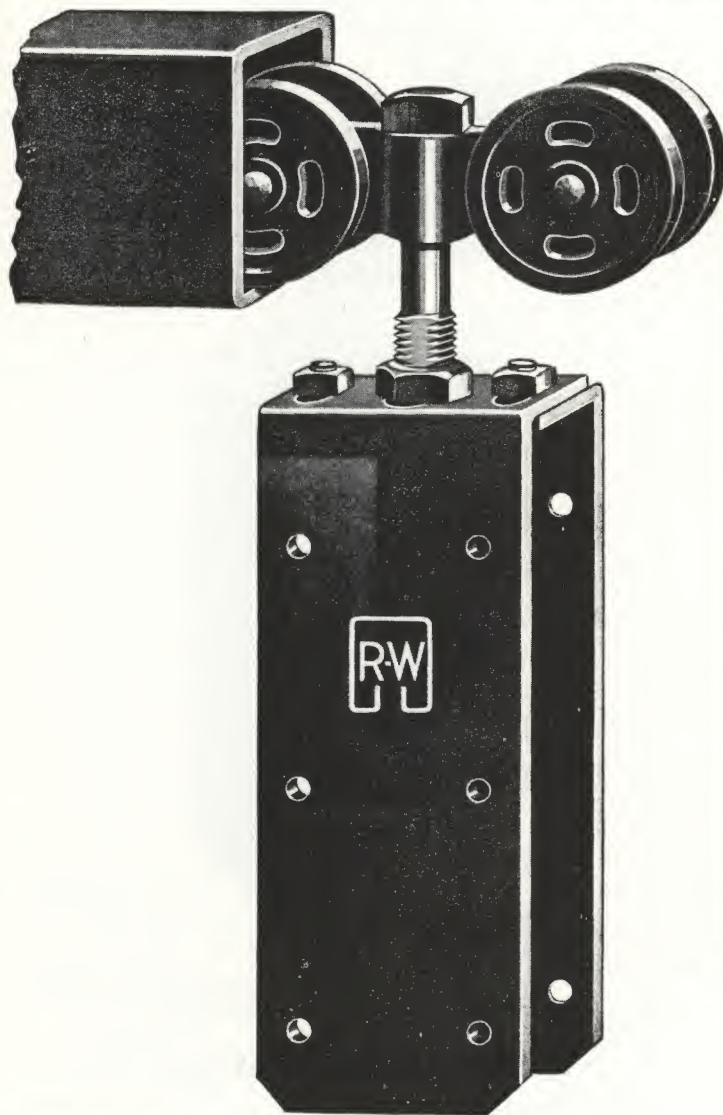
- **Track (No. 888 Lock-Joint Track)**
- **Construction**
No. 9 gauge steel, 5/8" round cold-rolled steel bars welded into housing.
- **Dimensions**
2-13/16" x 3-9/32" inside dimensions.
- **Stock Lengths**
4', 6', 8', and 12' lengths.
- **Finish**
Gray enamel only.
- **Weight**
Per foot, 8 lbs.
- **Track Brackets—Order Separately**
No. 2 x 888 end brackets, No. 39 x 888 lock-joint brackets, No. 1 x 888 center brackets to complete spacing on not more than 24" centers.

No. 888-13 Hanger Shown

- **Head Clearance**
Distance top of door to bottom of track: minimum, 4-1/2"; maximum, 6-1/2".
- **Use**
For doors 1-3/4" to 4-1/4" thick weighing up to 2,500 lbs. Thickness of doors must be specified.
- **Construction**
Wheels, steel, 3" diameter. Frame, malleable iron. Ball bearings. Apron, 12" long, 5" wide, 3/8" thick.
- **Finish**
Trucks, cadmium plated.
Aprons and top plates, gray enamel, regular.
Galvanized available when specified.
- **Packed**
In bulk, less bolts.
- **Weight**
Per pair, trucks, 19-1/4 lbs.
Top plates, 6-1/4 lbs.
Aprons, 30 lbs. 5 oz.

No. 598 Wharf and Industrial Ball-Bearing Door Hangers

For very heavy doors weighing up to 2,000 lbs.



Full Size Cross-Section of No. 533 Trolley Track

•Made in Three Sizes

- No. 1, for doors 1-3/4" to 2-1/4" thick.
- No. 2, for doors 2-1/2" to 3-1/4" thick.
- No. 3, for doors 3-1/2" to 4-1/4" thick.

•Head Clearance

Distance top of door to bottom of track: minimum, 1-3/4"; maximum, 3-1/4". Bottom of track to center of hole in bracket, 6".

•Use

For doors 1-3/4" to 4-1/4" thick (see above) weighing up to 2,000 lbs. For steel doors, specify "Less Aprons."

•Construction

Wheels, gray iron, 4" diameter. Frame, malleable iron. Felt seals. Ball bearings. Lateral and

vertical adjustment. Apron, 12" long, 5" wide, 3/8" thick. Rigid or knuckle-joint, as specified,

•Finish

Trucks, cadmium plated.
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

In bulk, less bolts.

•Weight

Per pair, hangers, 50 lbs.
Per pair, less aprons, 20 lbs.

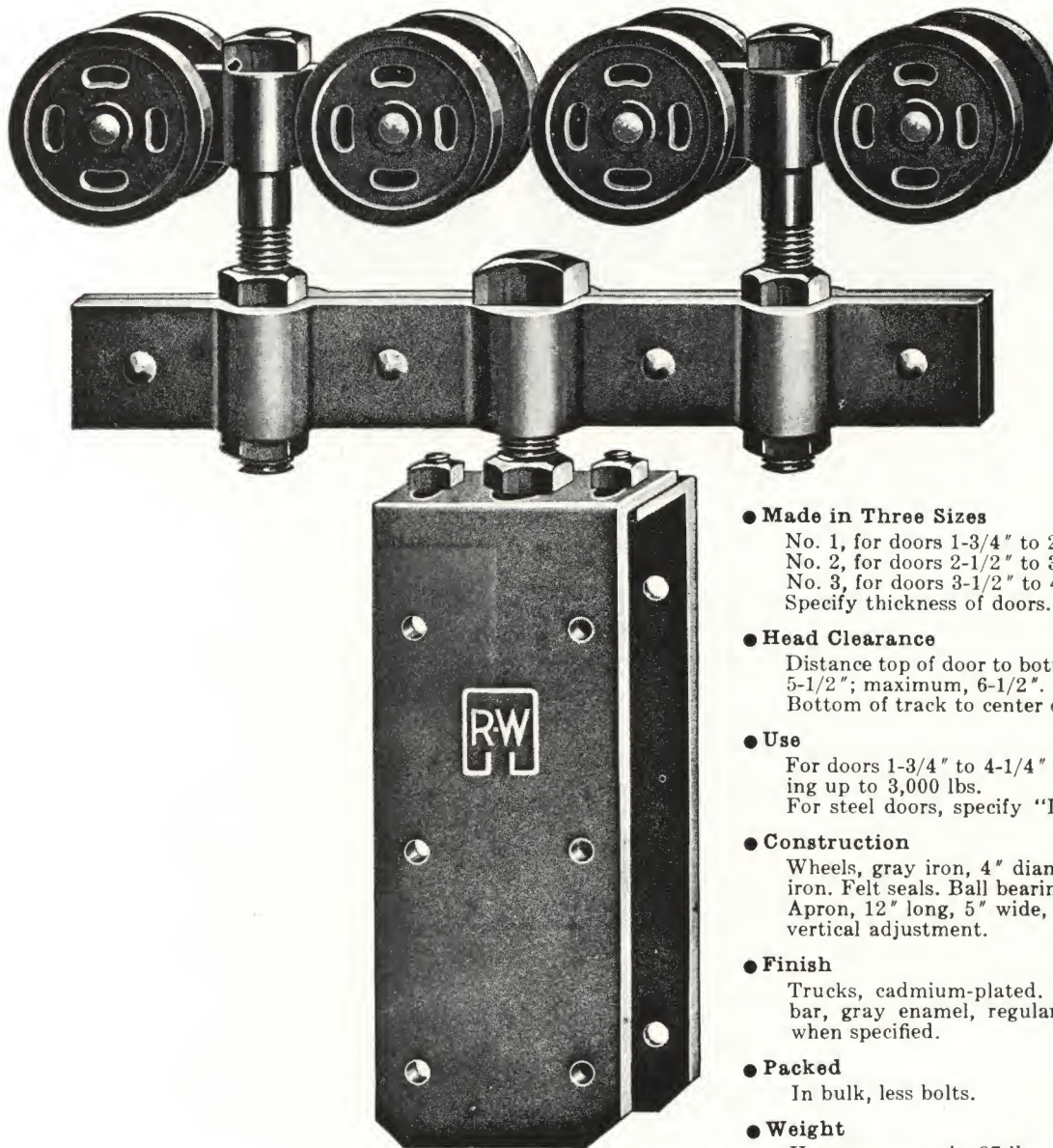
Lock-Joint Track and Brackets

•Track (No. 533 Lock-Joint Trolley Track)

Complete information given on opposite page.

No. 1098 Wharf and Industrial Ball-Bearing Door Hangers

For very heavy doors weighing up to 3,000 lbs.



- **Made in Three Sizes**

No. 1, for doors 1-3/4" to 2-1/4" thick.
No. 2, for doors 2-1/2" to 3-1/4" thick.
No. 3, for doors 3-1/2" to 4-1/4" thick.
Specify thickness of doors.

- **Head Clearance**

Distance top of door to bottom of track: minimum, 5-1/2"; maximum, 6-1/2".
Bottom of track to center of hole in bracket, 6".

- **Use**

For doors 1-3/4" to 4-1/4" thick (see above) weighing up to 3,000 lbs.
For steel doors, specify "Less Aprons."

- **Construction**

Wheels, gray iron, 4" diameter. Frame, malleable iron. Felt seals. Ball bearings.
Apron, 12" long, 5" wide, 3/8" thick. Lateral and vertical adjustment.

- **Finish**

Trucks, cadmium-plated. Aprons and connecting bar, gray enamel, regular. Galvanized available when specified.

- **Packed**

In bulk, less bolts.

- **Weight**

Hangers, per pair, 87 lbs.
Less aprons, per pair, 57-1/2 lbs.

Lock-Joint Track and Brackets

- **Track (No. 533 Lock-Joint Trolley Track)**

See opposite page for full size cross-section.

- **Construction**

No. 9 gauge steel.

- **Dimensions**

2-15/16" x 4-5/16" inside dimensions.

- **Stock Lengths**

4', 6', 8', and 10' lengths.

- **Finish**

Gray enamel, regular. Galvanized available when specified.

- **Weight**

Per foot, 8 lbs.

- **Track Brackets—Order Separately**

No. 2 x 533 end brackets for each end of each run of track.
No. 39 x 533 lock-joint brackets for each joint.
No. 1 x 533 center brackets to complete spacing on 24" centers.

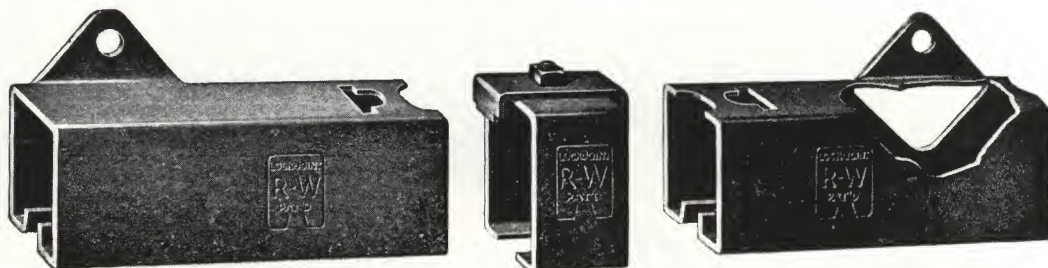
For other types of track brackets, see pages 92-95.

No. 239



Trolley Track

For doors weighing up to 200 lbs.



●Track

No. 239 EaR-Way Lock-Joint Trolley Track.

●Clearances

Bottom of track to center of hole in ear, 2-9/16".
Center of hole in ear to top of ear, 7/16".

●Construction

No. 16 gauge steel.
Ears for attaching track to building with 5/16" x 2" lag screws are spaced on 12" centers. Sufficient lag screws are provided with each order.
Bosses hold track away from building allowing free passage of air.

●Dimensions

1-3/8" wide by 1-7/8" high inside dimensions.

●Stock Lengths

Available in 6', 8' and 10' lengths.

●Finish

Gray enamel regular. Galvanized; available when specified.

●Weight

Per foot, 1-1/2 lbs.

●Joint Sleeves

One No. 239 lock-joint sleeve required for each joint.
Weight, each, 1/2 lb.

●For Parallel Doors

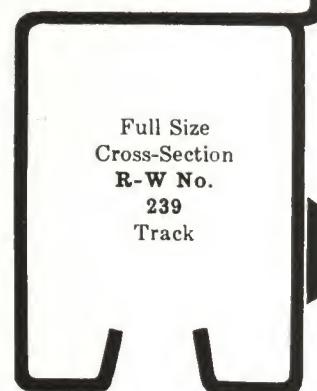
Necessary to use wooden strip for a place to attach the ears.
Extension plates which afford a means of using two lags one above the other for attaching each ear are necessary to insure secure anchorage for track.

●Length of Track

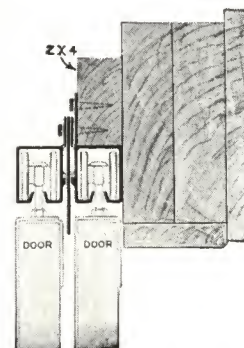
Order twice as much track as opening is wide.
For weatherstrip, order as many feet as opening is wide.

●Weight

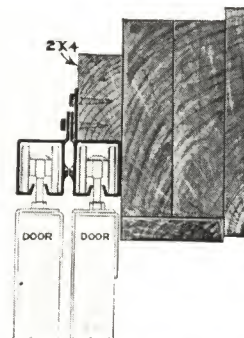
Joint sleeves, each, 1/2 lb.
Weatherstrip, per foot, 1-1/8 lbs.
Extension plates, per C, 10 lbs.



Full Size
Cross-Section
R-W No.
239
Track



Cross-Section view of Parallel
Track installation, with
weatherstrips, showing ex-
tension plates.



Cross-Section view of Parallel
Track installation, without
weatherstrips, showing ex-
tension plates.

Trolley Track Hangers

For No. 239 Lock-Joint Trolley Track

For doors weighing up to 200 lbs.

No. 346 Hanger

- **Head Clearance**

Distance top of door to bottom of track, 13/16".

- **Use**

For doors, 1-3/8" to 1-3/4" thick, weighing up to 200 lbs.

- **Construction**

Wheels, steel, 1-3/4" diameter. Bearings, roller. Lateral adjustment only.

Apron, 6" long, 3-3/8" wide, 14 gauge steel.

- **Finish**

Trucks, cadmium plated.

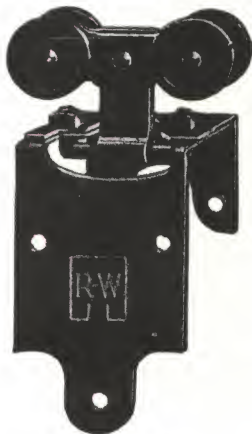
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 4-1/2 lbs.



R-W No. 346

No. 346-1/2B Hanger

- **Head Clearance**

Distance top of door to bottom of track: minimum, 7/8"; maximum, 1-1/2".

- **Use**

For doors, 1-3/8" to 1-3/4" thick, weighing up to 200 lbs.

- **Construction**

Wheels, steel, 1-3/4" diameter. Bearings, steel balls. Lateral and vertical adjustment. Apron 4-9/16" long, 3" wide, 13 gauge steel.

- **Finish**

Trucks, cadmium plated.

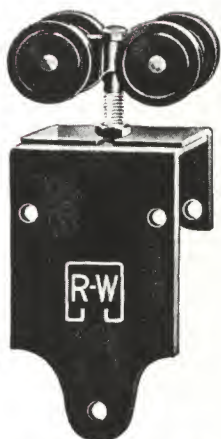
Aprons, gray enamel, regular. Galvanized available when specified.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 3-3/4 lbs.



R-W No. 346-1/2B

Nos. 399-36 and 423-36 Barn Door Hangers

For doors weighing up to 300 lbs.

•Head Clearance

Distance top of door to top of track: No. 399-36, 5-3/4";
No. 423-36, minimum, 5-3/8"; maximum, 6-1/8".

•Use

No. 399-36, for doors 1-3/4" thick.
No. 423-36, for doors 1-3/4" to 2" thick. Weighing up to 300 lbs.
Aprons must be let into doors of maximum thickness.

•Construction

Wheels, steel, 2-1/4" diameter. Bearings, roller.
Apron, 6" long, 3-1/2" wide, 1/8" thick. Adjustment:
No. 399-36, lateral only; No. 423-36, lateral and vertical.

•Finish

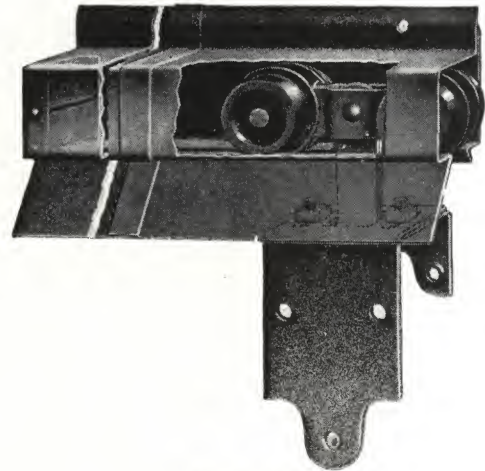
Trucks, cadmium plated.
Aprons, gray enamel, regular. Galvanized available when specified.

•Packed

One pair in box with two track end stops with carriage and stove bolts.

•Weight

No. 399-36, per pair, 5-3/4 lbs.
No. 423-36, per pair, 6-1/2 lbs.



No. 399-36

Storm-Proof Track

•Track

No. 36 storm-proof track.

•Construction

No. 14 gauge steel.
Back piece forms one wheel runway.
Front piece forms one wheel runway continuing below top of door. Bosses keep track away from building allowing passage of air. Telescopic ends connect forming perfect joints.

•Stock Lengths

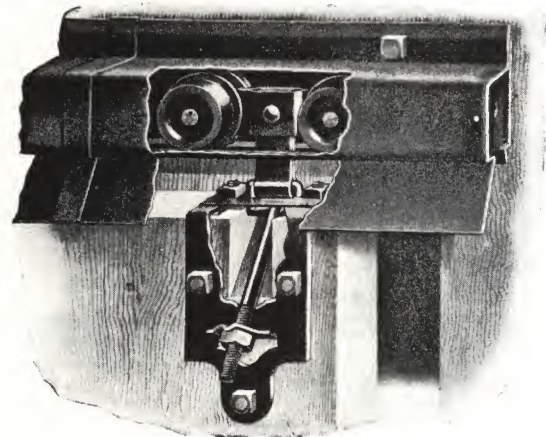
6', 8', and 10' lengths.

•Finish

Gray enamel, regular. Galvanized available when specified.

•Weight

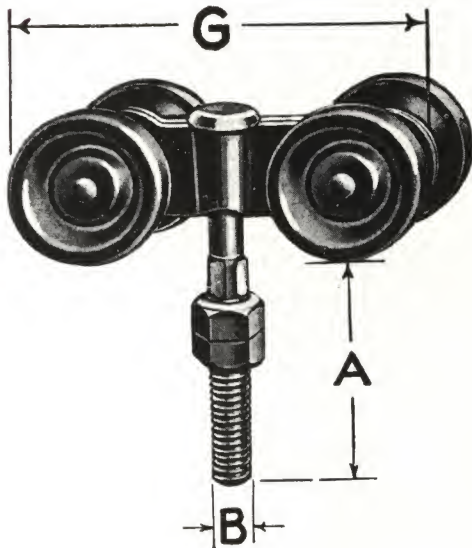
Per foot, 3 lbs.



No. 423-36

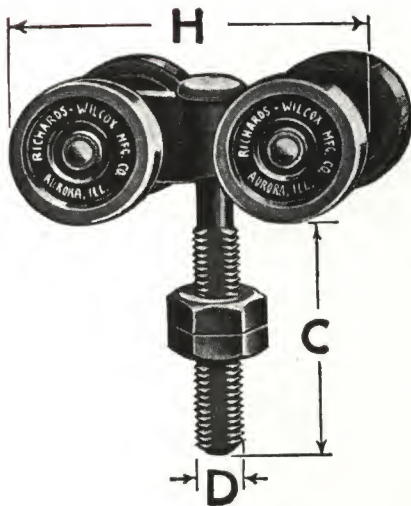
R-W Trucks

Trucks are frequently used on steel doors



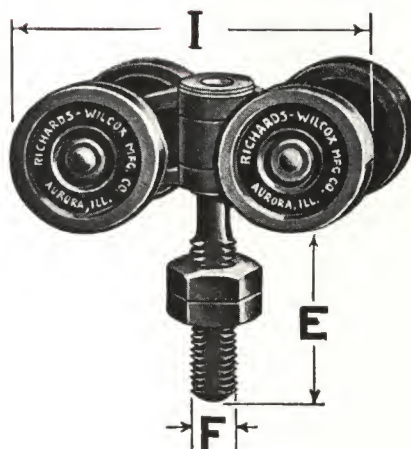
Rigid Frame Trucks

Cat. No.	A	B	G	For Track No.	Bearing	For Doors Weighing	Diameter Wheels	Weight per Pair
20-2	3"	1 1/2"	4 3/4"	31	Roller	300 lbs.	2 1/8"	2 1/2 lbs.
25	3 1/4"	5/8"	6"	31	Roller	300 lbs.	2 1/8"	3 1/4 lbs.
28V	3"	5/8"	6 1/2"	32	Roller	400 lbs.	2 1/8"	4 1/2 lbs.
29V	3 1/4"	5/8"	7 3/8"	232	Roller	600 lbs.	3"	6 1/4 lbs.
121	3 1/4"	3/4"	7 1/2"	33	Roller	800 lbs.	3"	8 lbs.



Rigid Frame Trucks

Cat. No.	C	D	H	For Track No.	Bearing	For Doors Weighing	Diameter Wheels	Weight per Pair
20 1/2 B	2 3/4"	1/2"	5"	31	Ball	300 lbs.	2 1/8"	3 lbs.
28 1/2 B	3"	5/8"	6 1/4"	32	Ball	400 lbs.	2 3/8"	4 1/4 lbs.
29 1/2 B	3 3/8"	5/8"	6 5/8"	232	Ball	600 lbs.	3"	6 3/4 lbs.
123 1/2 B	3 1/2"	3/4"	7 3/8"	33	Ball	800 lbs.	3"	9 1/2 lbs.



Knuckle-Joint Trucks

Cat. No.	E	F	I	For Track No.	Bearing	For Doors Weighing	Diameter Wheels	Weight per Pair
27 1/2 BKJ	3"	5/8"	5"	31	Ball	300 lbs.	2 1/8"	3 1/4 lbs.
28 1/2 BKJ	3"	5/8"	5 7/8"	32	Ball	400 lbs.	2 3/8"	4 1/4 lbs.
29 1/2 BKJ	3"	5/8"	6 3/4"	232	Ball	600 lbs.	3"	6 3/4 lbs.
123 1/2 BKJ	3 1/2"	3/4"	6 3/4"	33	Ball	800 lbs.	3"	9 1/2 lbs.

Finish: All trucks on this page are cadmium plated.

Round Tracks and Brackets

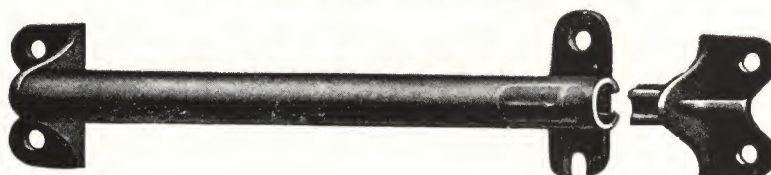
Gray Enamel Finish Only



No. 242-A Track with No. 242-A-C Center Bracket and No. 542-A-E End Bracket



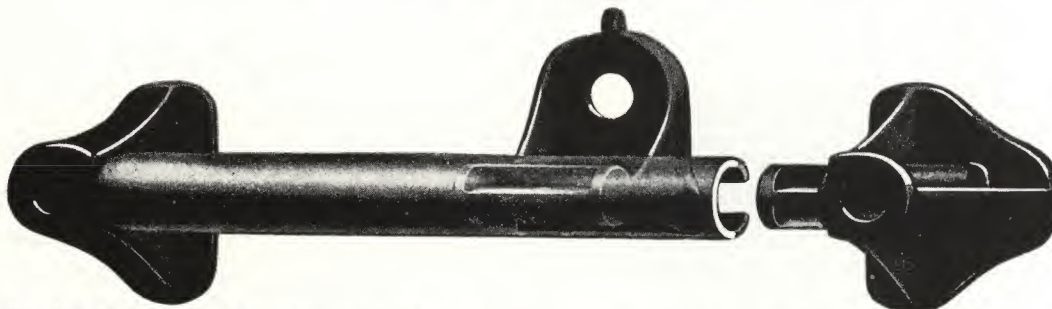
No. 242-B Track with No. 242-B-C Center Bracket and No. 542-B-E End Bracket



No. 542-A Track with Malleable Brackets, No. 542-A-C Center, and No. 542-A-E End



No. 542-B Track with Malleable Brackets, No. 542-B-C Center, and 542-B-E End



No. 542-C Track with Malleable Brackets No. 542-CC-2 or 3 Center, and No. 542-CE-2 or 3 End as specified
 †No. 542-D Track is same as No. 542-C except made of heavier material

Correct Brackets to Use with R-W Round Tracks

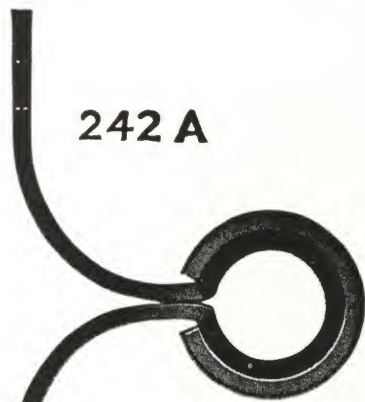
Track No.	Center Brackets	End Brackets	Joint Brackets	When 542-C-2 Hangers are Used	When 542-C-3 Hangers are Used	When 642-5 Hangers are Used
242-A	242-A-C	542-A-E				
242-B	242-B-C	542-B-E				
542-A	542-A-C	542-A-E				
542-B	542-B-C	542-B-E				
542-C	542-CC-2	542-CE-2	542-CJ-2	For 1¾" Door		
542-C	542-CC-2	542-CE-2	542-CJ-2		For 2" Door	
542-C	542-CC-3	542-CE-3	542-CJ-3	For 2¼" Door		
542-C	542-CC-3	542-CE-3	542-CJ-3		For 2½" Door	
542-D	542-CC-2	542-CE-2	542-CJ-2			Any thickness of Door 1¾" to 3½"
542-D	542-CC-3	542-CE-3	542-CJ-3			

Used only with No. 455 Hangers for doors 1¾" to 3½" thick

Round Tracks and Brackets

Gray Enamel Finish Only

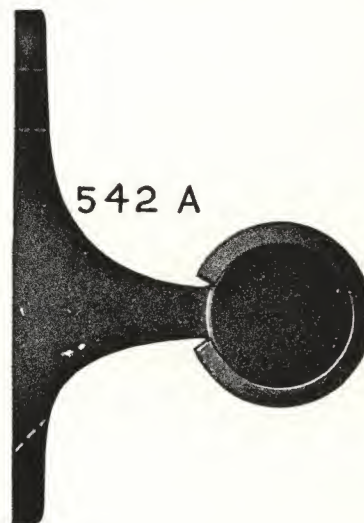
242 A



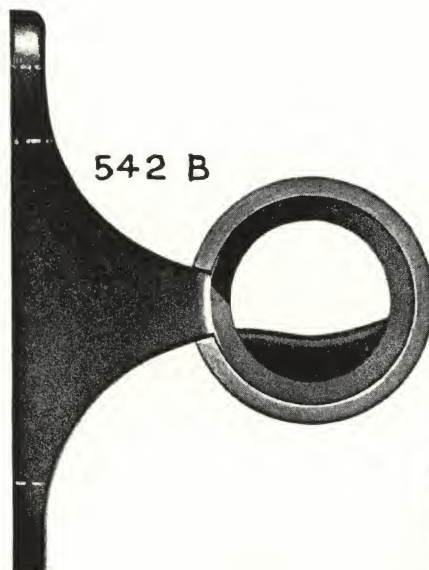
Cross-Section of No. 242-A Round Track and No. 242-A-C Bracket (Not Actual Size)

(Right) Cross-Section of No. 542-A Round Track, and No. 542-A-C Bracket (Not Actual Size)

542 A



542 B



(Left) Full Size Cross-Section of No. 542-B Round Track, and No. 542-B-C Bracket

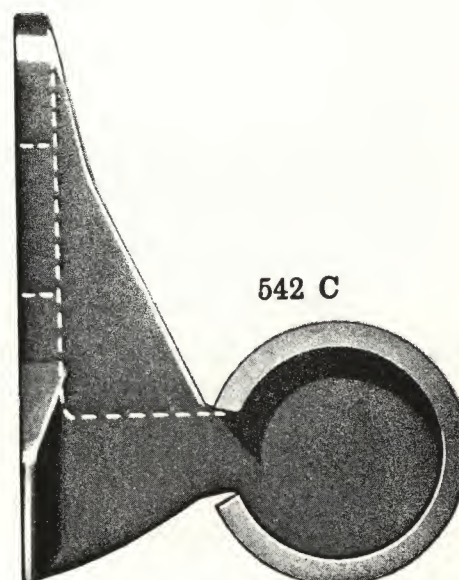
242 B



Full Size Cross-Section of No. 242-B Round Track, and No. 242-B-C Bracket

Full Size Cross-Section of No. 542-C Round Track, with No. 542-CC-2 Bracket

542 C



Round Track Weight Table

Track No.	Gauge Steel	Outside Diameter Inches	Standard Lengths Ft.	Pieces to Bundle	Weight per 100 Ft. with Brackets, Lbs.
242-A	14	$\frac{7}{8}$	4-6-8-10	10	68
242-B	14	$1\frac{1}{16}$	4-6-8-10	10	90
542-A	14	$\frac{7}{8}$	4-6-8-10	10	75
542-B	14	$1\frac{1}{16}$	4-6-8-10	10	100
542-C	10	$1\frac{1}{16}$	4-6-8-10	10	225
542-D	$\frac{3}{16}$	$1\frac{1}{16}$	4-6-8-10	10	281

NOTE—When ordering, state length and number of pieces required. No. 542-C track is always furnished with -3 size brackets unless otherwise specified.

No. 362 Round Track Barn Door Hangers

For doors weighing up to 250 lbs.

•Head Clearance

Distance top of door to center of track: minimum, 2-3/4"; maximum, 3-1/4".

Clearance above center of track, 3-3/4".

•Use

For doors up to 1-3/4" thick weighing up to 250 lbs.

•Construction

Wheels, steel, 2-1/2" diameter. Steel hood. Roller bearings. Lateral and vertical adjustment. Apron, 6" long, 3-1/2" wide, 1/8" thick.

•Finish

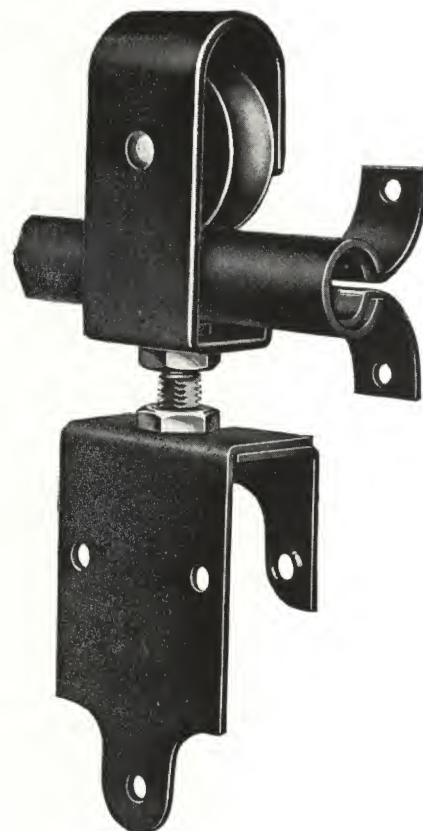
Gray enamel only.

•Packed

One pair in box with carriage and stove bolts.

•Weight

Per pair, 7 lbs.



Round Track and Brackets

Track (No. 242-B Round Track and Brackets)

•Construction

No. 14 gauge steel.

•Dimensions

1-5/16" outside diameter.

•Stock Lengths

4', 6', 8', and 10' lengths.

•Finish

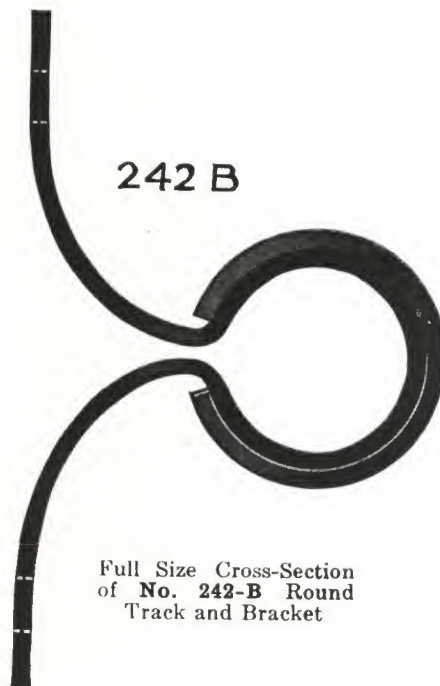
Gray enamel only.

•Weight

Per 100', 90 lbs.

•Track Brackets—Included with Track

When ordering, specify number of end, center, and joint brackets required to complete spacing on not more than 24" centers.



No. 462 Round Track Barn Door Hangers

For doors weighing up to 150 and 250 lbs.

•Made in Two Sizes

No. 1, for doors 1-3/4" to 2" thick, weighing 150 lbs. Uses No. 242-A track.

No. 2, for doors 1-3/4" to 2-1/2" thick, weighing 250 lbs. Uses No. 242-B track (see opposite page).

•Head Clearance

Distance top of door to center of track: No. 1, 3/4"; No. 2, 1".

Clearance above center of track: No. 1, 3-1/4"; No. 2, 4".

•Use

For doors 1-3/4" to 2-1/2" thick, weighing up to 250 lbs. (see above).

•Construction

Wheels, steel: No. 1, 2-1/4" diameter; No. 2, 2-1/2" diameter. Roller bearings. Limit guide.

Hanger: No. 1, 9-1/2" long, 3" wide, 1/8" thick; No. 2: 10-1/2" long, 3-1/2" wide, 1/8" thick.

•Finish

Gray enamel only.

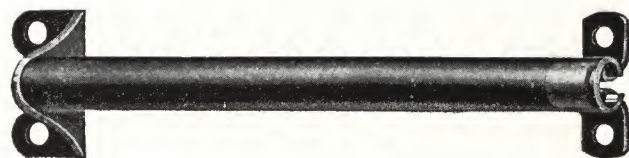
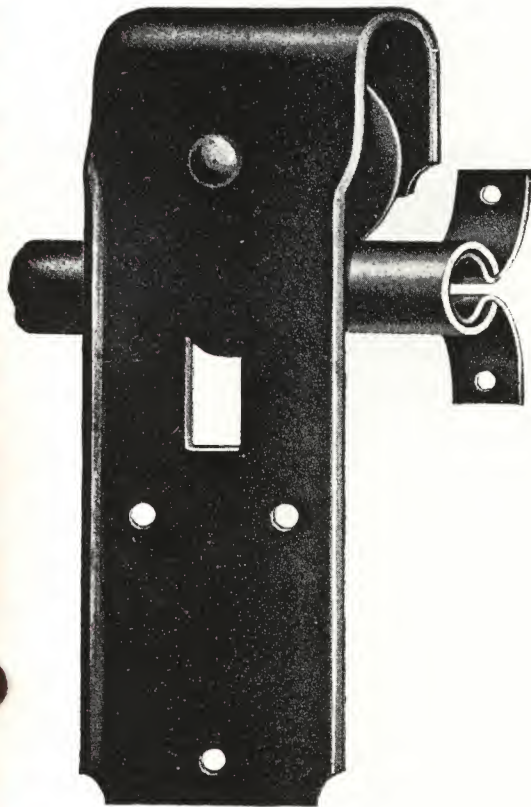
•Packed

One pair in box with carriage bolts.

•Weight

No. 1, per pair, 4-1/4 lbs.

No. 2, per pair, 5-3/4 lbs.



Round Track and Brackets

•Track (No. 242-A Round Track)

•Construction

No. 14 gauge steel.

•Dimensions

7/8" outside diameter.

•Stock Lengths

4', 6', 8', and 10' lengths.

•Finish

Gray enamel only.

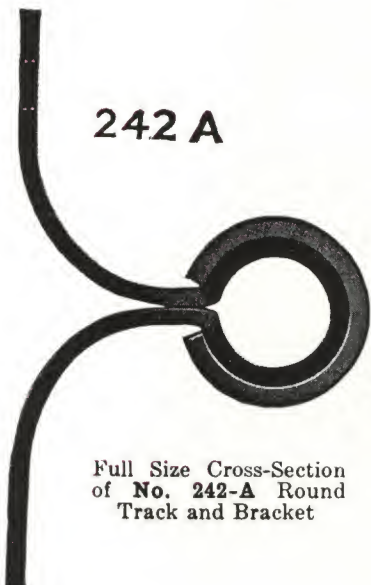
•Weight

Per 100', 68 lbs.

•Track Brackets—Included with Track

When ordering, specify number of end, center, and joint brackets required to complete spacing on not more than 24" centers.

242 A



Full Size Cross-Section
of No. 242-A Round
Track and Bracket

No. 542-A and B Barn Door Hangers and Track

For doors weighing up to 150 and 250 lbs.

•Made in Two Sizes

No. 542-A, for doors up to 1-3/4" thick, weighing up to 150 lbs.

Uses No. 542-A track.

No. 542-B, for doors 1-3/4" to 2" thick, weighing up to 250 lbs. Uses

No. 542-B track.

•Head Clearance

Distance top of doors to center of track: No. 542-A, 1-3/8";

No. 542-B, 1-3/4".

Clearance above center of track: No. 542-A, 3"; No. 542-B, 3-3/4".

•Use

For doors 1-3/4" to 2" thick, weighing up to 250 lbs.

•Construction

Wheels, steel. Frame, malleable iron. Roller bearings.

No. 542-A, wheels, 2-1/4" diameter; hanger, 9-1/2" long, 4"

wide. No. 542-B, wheels, 2-1/2" diameter; hanger, 12" long, 5-1/2" wide.

•Finish

Gray enamel only.

•Packed

One pair in box with carriage bolts.

•Weight

No. 542-A, per pair, 5 lbs.

No. 542-B, per pair, 6 lbs.

Round Track and Brackets

•Track

No. 542-A, for doors up to 1-3/4" thick, weighing up to 150 lbs.

No. 542-B, for doors 1-3/4" to 2" thick, weighing up to 250 lbs.

•Dimensions

No. 542-A, 7/8" diameter.

No. 542-B, 1-5/16" diameter.

•Stock Lengths

4', 6', 8', and 10' lengths.

•Finish

Gray enamel only.

•Weight—with Brackets

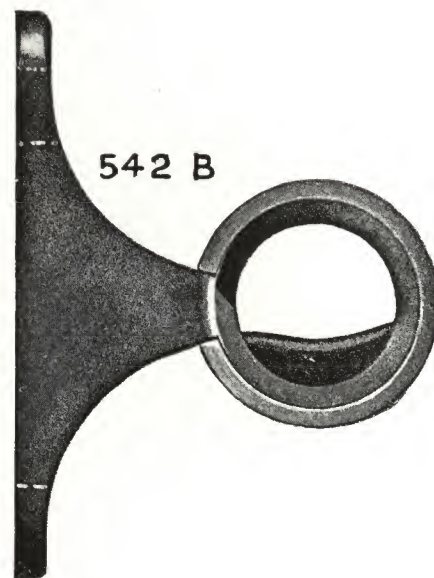
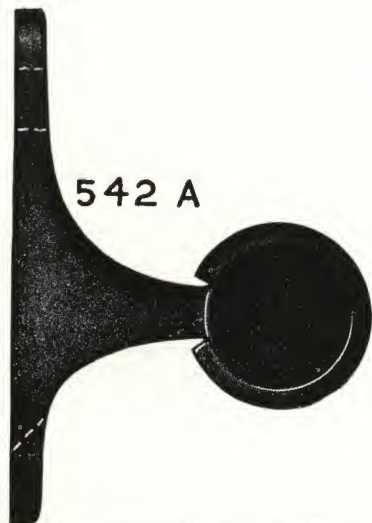
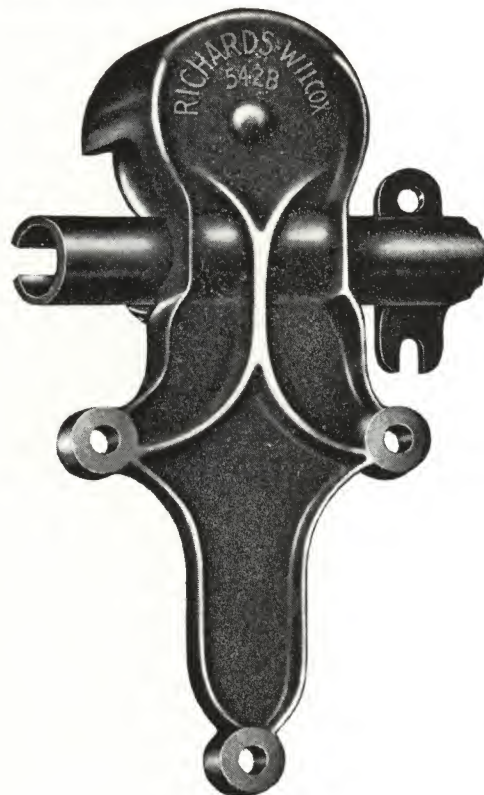
No. 542-A, per foot, 3/4 lb.

No. 542-B, per foot, 1 lb.

•Track Brackets—Furnished with Track

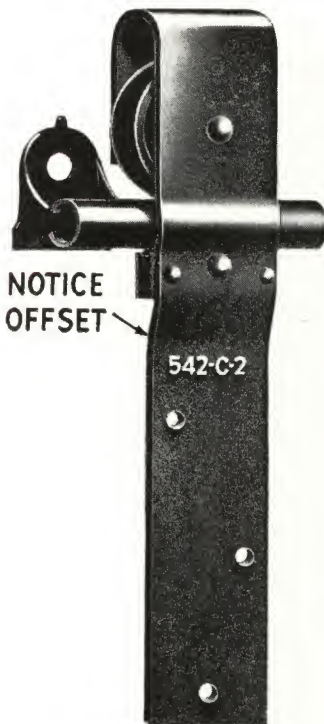
When ordering, specify number of end, center, and joint brackets required to complete spacing on not more than 24" centers.

See page 79 for full size cross-section and detailed information.



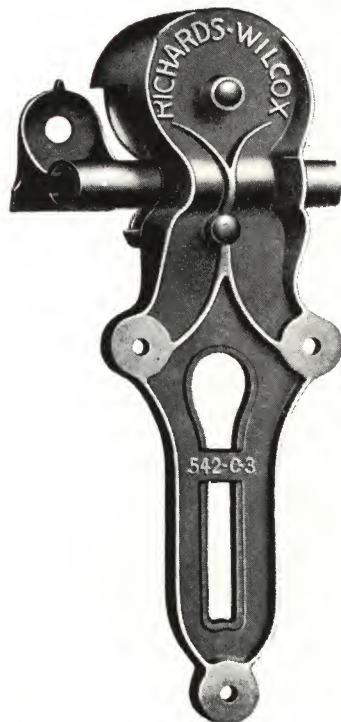
No. 542-C2 and C3 Round Track Hangers

For doors weighing up to 800 lbs.



No. 542-CS-2

No. 542-CM-2 Similar in Appearance to 542-CM-3 Below



No. 542-CM-3

No. 542-CS-3 Similar in Appearance to 542-CS-2 Above

•Made in Two Sizes

No. 2, for doors 1-3/4" to 2-1/4" thick.

No. 3, for doors 2", 2-1/2" and 2-5/8" thick.

Each size available in malleable iron (CM) or steel (CS) frame.

•Head Clearance

Distance top of door to center of track, 2-1/8".

Center of track to bolt hole:

1-3/4" to 2" doors, 1-1/4".

2-1/4" to 2-5/8" doors, 1-3/4".

Clearance above center of track, 5-3/4".

•Use

For doors 1-3/4" to 2-5/8" thick, weighing up to 800 lbs. (see above).

Unless otherwise specified, No. 3 will be furnished.

•Construction

Available in either malleable iron (CM) or steel (CS) construction.

Wheels, malleable iron, 4-3/8" diameter. Bearings, steel rollers.

Limit roller eliminates binding and prevents derailment.

Frame (CM) malleable iron, extra heavy ribbed back; (CS) wrought steel.

No. 2 size has offset in frame; length, over-all, 21"; width, 7".

•Finish

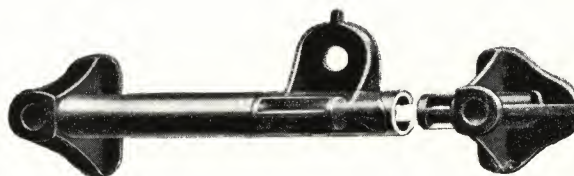
Gray enamel only.

•Packed

Three pair in carton, less bolts.

•Weight

Per pair; CM style, 22 lbs.; CS style, 25 lbs.



Round Track and Brackets

•Track (No. 542-C Round Track)

See page 79 for full size cross-section and detailed information.

No. 543 "Red Runner" Barn Door Hanger

For doors weighing up to 300 lbs.

- **Head Clearance**

Distance top of door to center of track, 2-3/8".

Clearance above center of track, 3-3/4".

- **Use**

For sliding barn doors 1-3/4" to 2-1/2" thick, weighing up to 300 lbs.

- **Construction**

Wheels, steel, 2-1/2" diameter. Steel hood. Roller bearings.

Lateral adjustment. Apron, 6" long, 3-3/8" wide, 1/8" thick.

Swing-out feature.

- **Finish**

Gray enamel only.

- **Packed**

One pair in box with carriage and stove bolts.

- **Weight**

Per pair, 6-3/4 lbs.



Round Track and Brackets

- **Track (No. 242-B Round Track)**

- **Construction**

No. 14 gauge steel.

- **Dimensions**

1-5/16" outside diameter.

- **Stock Lengths**

4', 6', 8', and 10' lengths.

- **Finish**

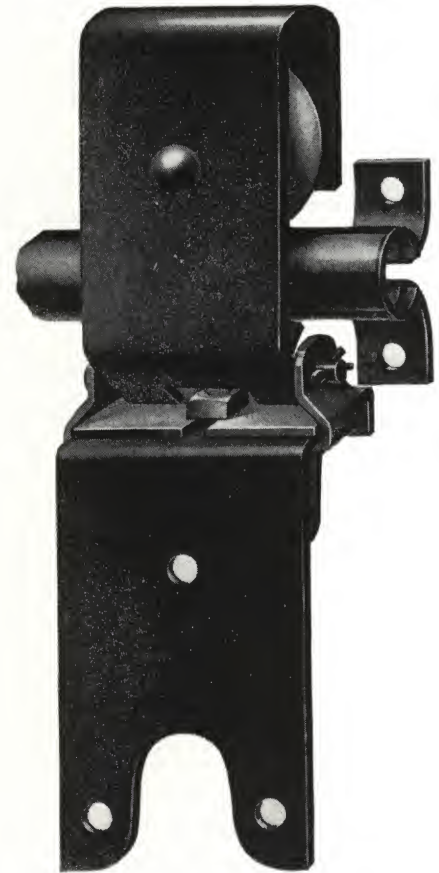
Gray enamel only.

- **Weight**

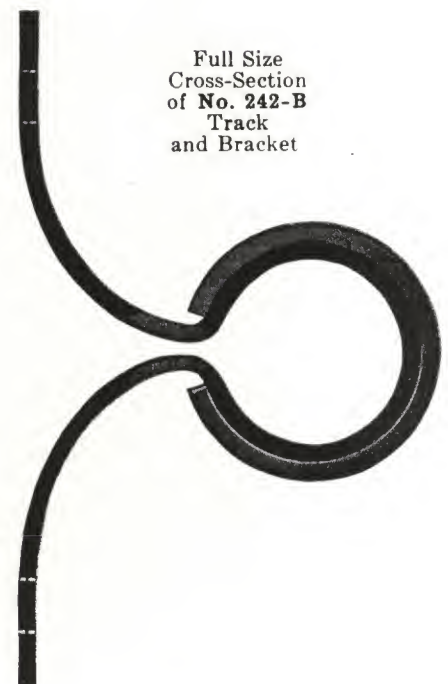
Per 100', 90 lbs.

- **Track Brackets—Included with Track**

When ordering, specify number of end, center, and joint brackets required to complete spacing on not more than 24" centers.

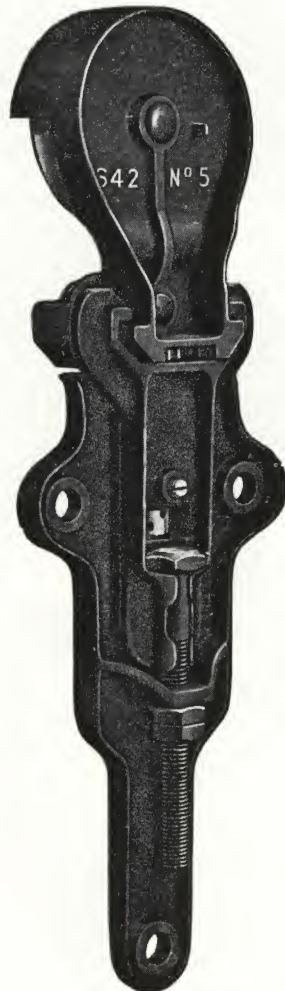


Full Size
Cross-Section
of No. 242-B
Track
and Bracket



No. 642-5 Adjustable Door Hanger

For doors weighing up to 800 lbs.



•Head Clearance

Distance top of door to center of track: minimum, 2-3/4"; maximum, 5".

Clearance above center of track, 5-3/4".

•Use

For doors 1-3/4" to 2-1/2" thick, weighing up to 800 lbs.

•Construction

Wheels, malleable iron, 4-3/8" diameter. Frame, malleable iron, ribbed back. Bearings, roller. Limit roller. Lateral and vertical adjustment. Length: minimum, 21-1/2"; maximum, 23-3/4"; width, 7".

•Finish

Gray enamel only.

•Packed

Two pair in box, less bolts.

•Weight

Per pair, 33 lbs.

Round Track and Brackets

•Track (No. 542-C Round Track)

•Construction

No. 10 gauge steel.

•Dimensions

1-7/16" outside diameter.

•Stock Lengths

4', 6', 8', and 10' lengths.

•Finish

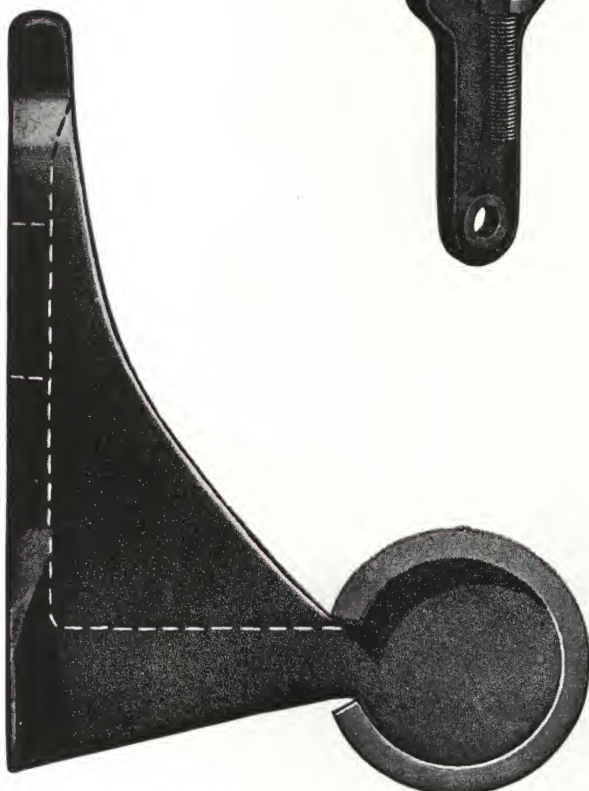
Gray enamel only.

•Weight

Per 100', 225 lbs.

•Track Brackets—Included with Track

When ordering, specify number of end, center, and joint brackets required to complete spacing on not more than 24" centers.



Full Size Cross-Section of R-W No. 542-C Round Track with 542-CC-3 Brackets

No. 455 "PieR-Work" Warehouse Door Hanger

For doors weighing up to 1,500 lbs.

●Use

For warehouse and pier doors 1-3/4" to 3-1/2" thick, weighing up to 1,500 lbs.

●Construction

Wheels, malleable iron, 4" diameter on tread. Bearings, roller. Apron, 17" long, 11-3/4" wide. Lateral and vertical adjustment. Grease cup lubrication.

●Finish

Gray enamel only.

●Packed

One pair per crate, less bolts.

●Weight

Per pair, 65 lbs.

Round Track and Brackets

●Track (No. 542-D Round Track)

●Construction

3/16" steel.

●Dimensions

1-9/16" outside diameter.

●Stock Lengths

4', 6', 8', and 10' lengths.

●Finish

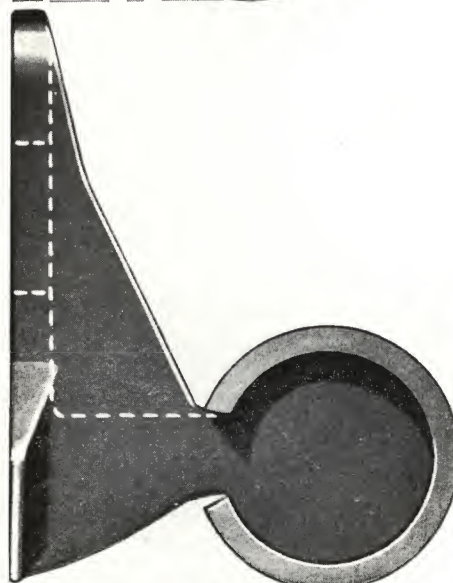
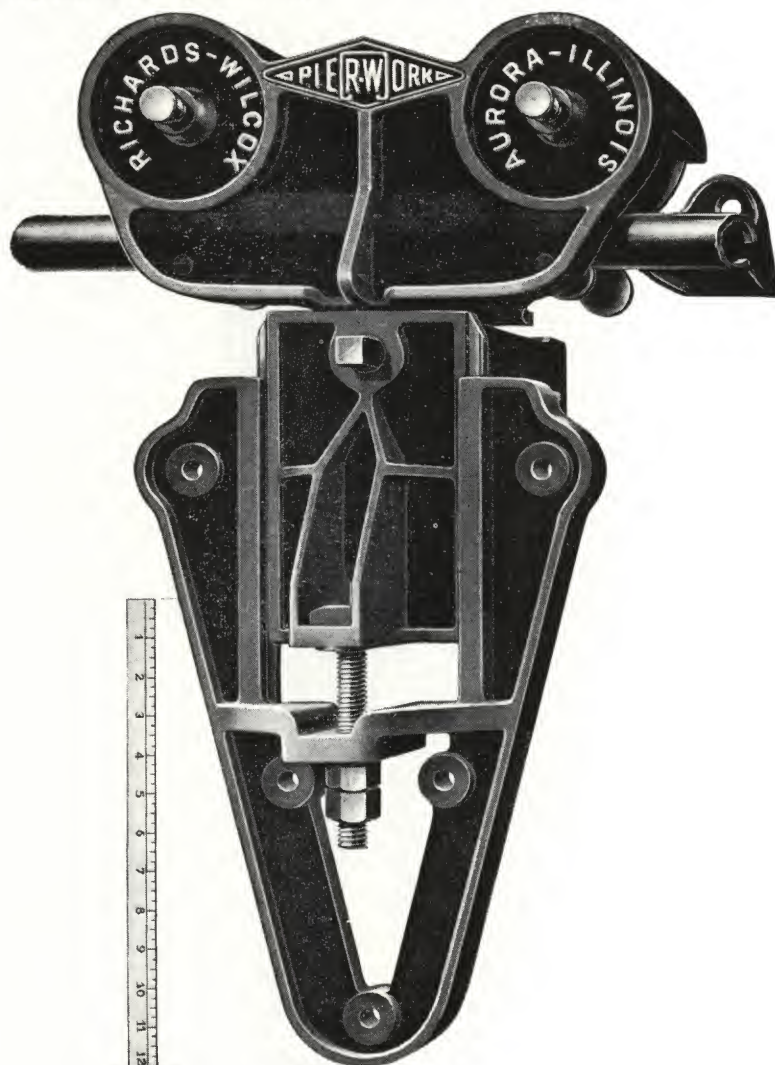
Gray enamel only.

●Weight

Per 100', 281 lbs.

●Track Brackets—Included with Track

When ordering, specify number of end, center, and joint brackets required to complete spacing on not more than 24" centers.



Cross-Section of No. 542-D Track

Flat Track Barn Door Hangers

For doors weighing up to 250 lbs.

- Hangers

Nos. 47 and 1043.

- Use

No. 47, for doors 1-3/4" thick.

No. 1043, for doors 1-3/4" to 2-1/2" thick.

- Construction

Wheels, steel, 3" diameter. Roller bearings.

Hoods, steel.

No. 47 has a swing-out feature. No. 1043 has both lateral and vertical adjustment.

Aprons, No. 47, 5" x 2-1/2" x 1/8".

No. 1043, 6" x 3-1/2" x 1/8".

- Finish

Gray enamel only.

- Packed

One pair in box with bolts.

- Weight

Per pair, 6 lbs.

Flat Track

- Track (No. 50 Flat Track)

- Dimensions

1-1/4" x 3/16" steel bar with brackets attached.

- Stock Lengths

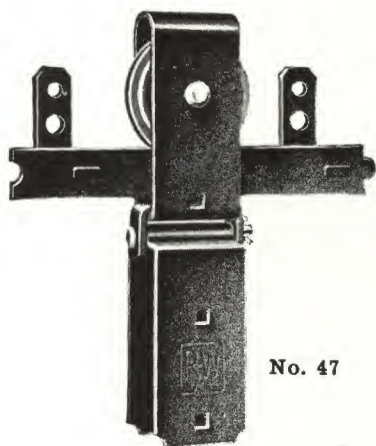
4', 6', 8', and 10' lengths.

- Finish

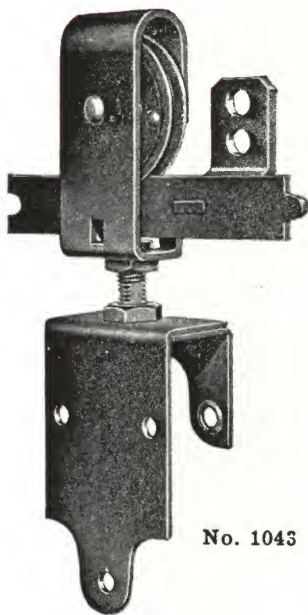
Gray enamel only.

- Weight

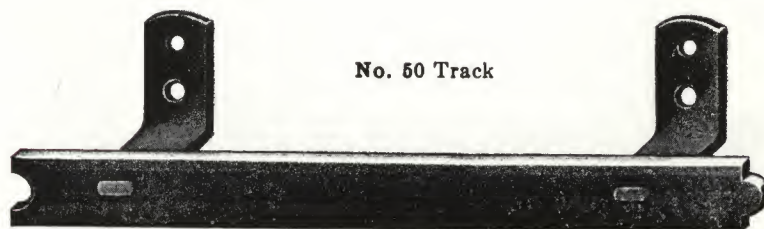
Per 100', 110 lbs.



No. 47



No. 1043



No. 50 Track

Flat Track Barn Door Hangers

•Hangers

No. 38 "World" and No. 43 "Ezy."

•Use

For doors 1-3/4" thick.

All hangers use No. 63 track except No. 38-3 which uses No. 68.

•Construction

Hanger No.	Wheels Made of	Diameter Wheels	Bearings	Pendants	Capacity
38-1	Steel	3-1/4"	Roller	12" x 1" x 3/16"	250 lbs.
38-2	Steel	4"	Roller	13" x 1" x 1/4"	300 lbs.
38-3	Iron	5"	Roller	14" x 1-1/4" x 1/4"	300 lbs.
43-1	Steel	3"	Roller	12" x 1-1/2" x 3/16"	250 lbs.
43-2	Steel	3"	Roller	15" x 2" x 3/16"	250 lbs.

•Finish

Gray enamel only.

•Packed

One dozen pair in carton, less bolts.

•Weight

Per dozen pair: 38-1, 85 lbs.; 38-2, 110 lbs.; 38-3, 145 lbs.; 43-1, 48 lbs.; 43-2, 60 lbs.

Flat Track

•Track (Nos. 63 and 68 Flat Track)

•Dimensions

No. 63, 1-1/4" x 3/16".

No. 68, 1-1/4" x 1/4".

•Stock Lengths

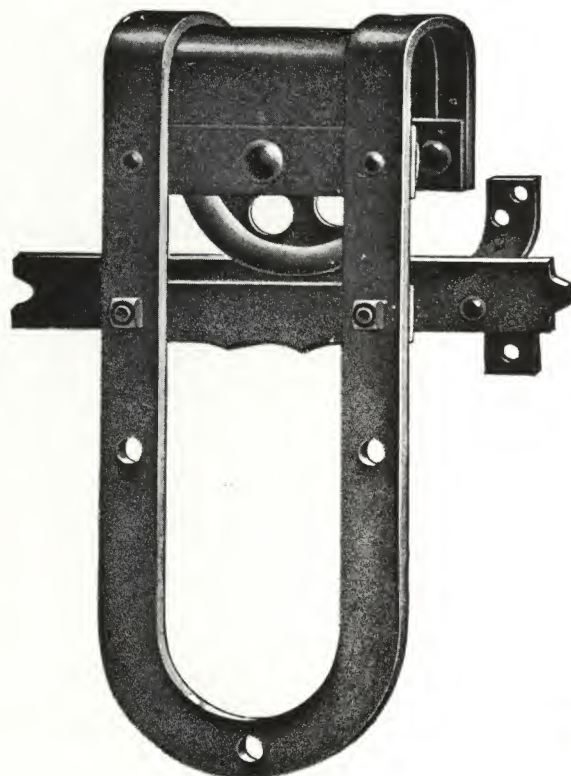
4', 6', 8', and 10' lengths.

•Finish

Gray enamel only.

•Weight

Per 100', No. 63, 100 lbs.; No. 68, 125 lbs.



No. 38



Nos. 63 and 68



No. 43

No. 101 "Safety" Warehouse and Pier Door Hangers

For doors 2" to 3" thick

• **Made in Three Sizes**

• **Use**

For doors 2" to 3" thick.

• **Construction**

Wheels, gray iron. Bearings, roller. Pendants, steel.
Individual differences, see table:

Hanger No.	Diameter Wheels	Pendants	Capacity
101-1	4-1/2"	3-1/2" x 1/4" x 20"	600 lbs.
101-2	6-1/4"	3-1/2" x 3/8" x 22"	800 lbs.
101-3	5"	3-1/2" x 3/8" x 22"	800 lbs.

• **Finish**

Gray enamel only.

• **Packed**

3 pair per crate, less bolts.

• **Weight**

Per pair, No. 1, 16 lbs.; No. 2, 30 lbs.; No. 3, 28 lbs.

Flat Track and Brackets

• **Track (No. 101 Track)**

Made in three widths.

Supplied with cone brackets for spacing on 30" centers.

• **Construction**

Steel, 3/8" thick (3 widths).
Cone brackets, gray iron.

• **Dimensions**

No. 101-2-1/2, track 3/8" x 2-1/2".

No. 101-3, track 3/8" x 3".

No. 101-3-1/2, track 3/8" x 3-1/2".

• **Stock Lengths**

As ordered.

• **Finish**

Gray enamel only.

• **Weight**

Per foot, No. 2-1/2—3-3/4 lbs.; No. 3—4-1/4 lbs.; No. 3-1/2—5 lbs.

• **Extra Cone Brackets—Order Separately**

No. 85-1, for 2-1/4" doors, 3/4 lb.

No. 85-2, for 2-1/4" to 2-5/8" doors, 1 lb.

No. 85-3, for 3" doors, 1 lb.

When ordering state thickness of doors and specify by catalog number, hangers, and track desired.



No. 101-1 and
No. 101-3



No. 101-2

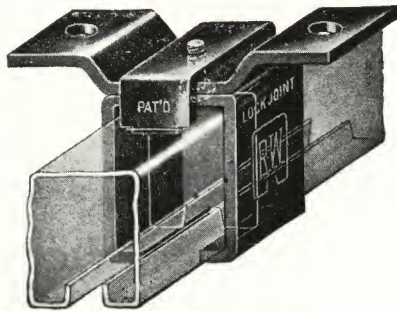


No. 101 Track Made in
Three Widths (Lengths
as Ordered)

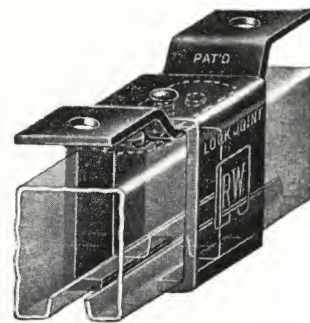


No. 85
Cone Bracket
Made in
Three Sizes

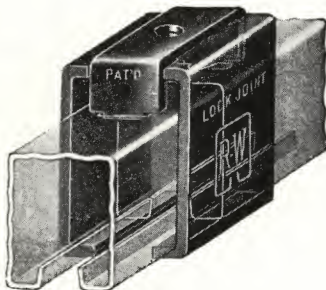
Typical R-W Lock-Joint Brackets



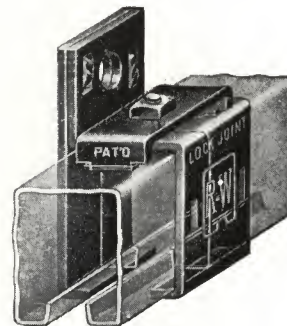
No. 059 Lock-Joint Cross Ear
Ceiling Center Bracket



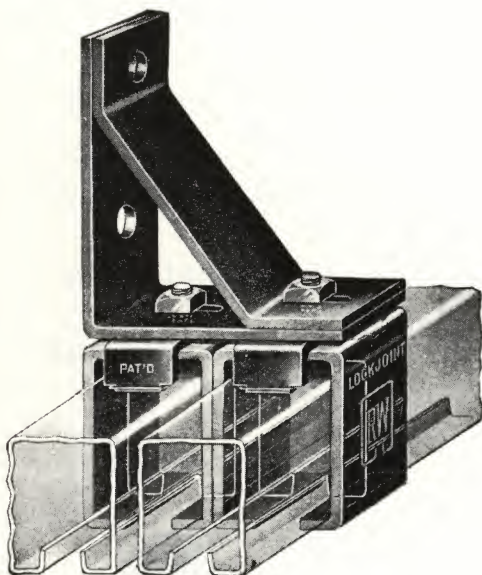
No. 079 Lock-Joint Parallel Ear
Ceiling Center Bracket



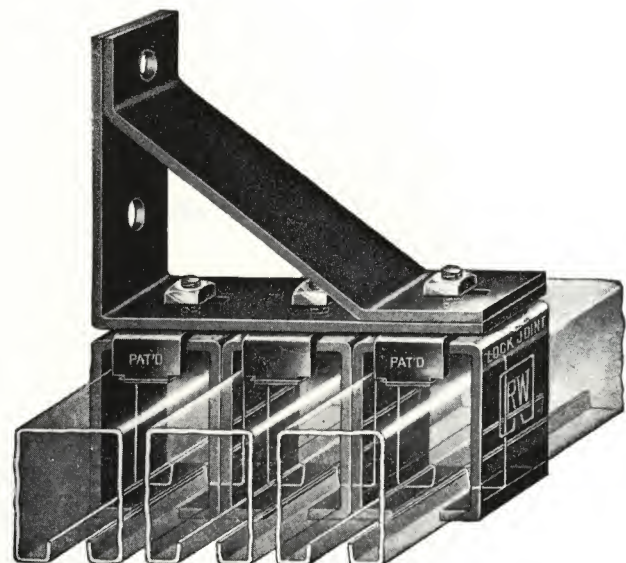
No. 189 Lock-Joint Plain
Ceiling Center Bracket



No. 39 Lock-Joint
Side Bracket



No. 229 Lock-Joint Side Double
Center Bracket

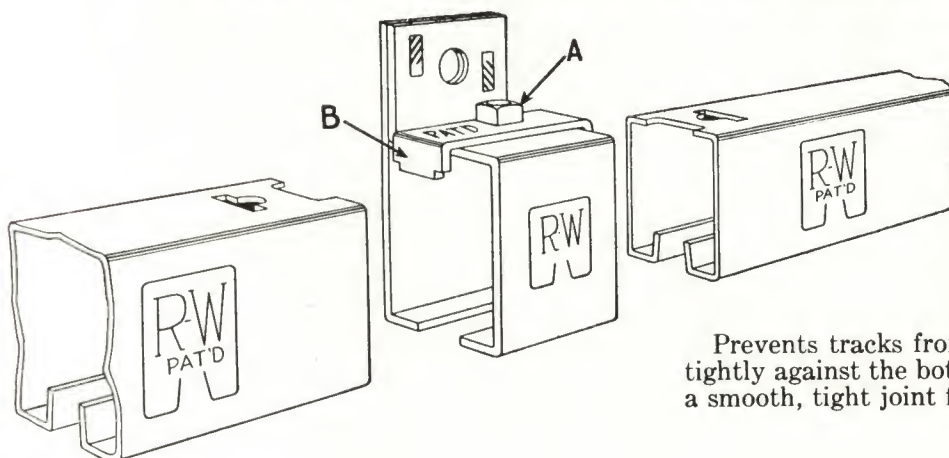


No. 339 Lock-Joint Side Triple
Center Bracket

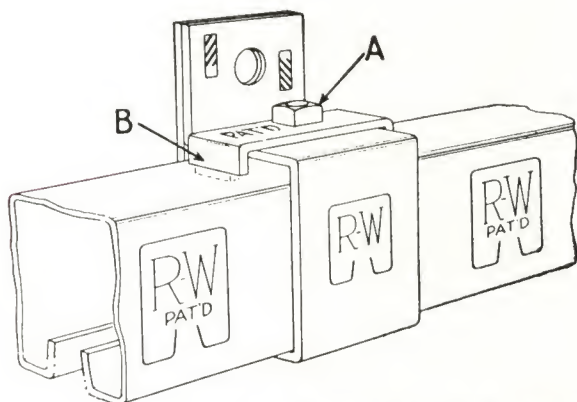
Use lock-joint track brackets on single, double or triple runs of tracks in order to be sure of a smooth runway for the hanger wheels to operate on. The above illustrations show the various types of Lock-Joint Brackets which we can furnish for our Lock-Joint tracks shown on pages 40-43.

To Order: Specify bracket number and track size thus: Bracket 189 x 33 or 059 x 31, as the case may be.

How to Apply Lock-Joint Brackets (Nos. 39, 229, 339) to Standard Size Trolley Tracks

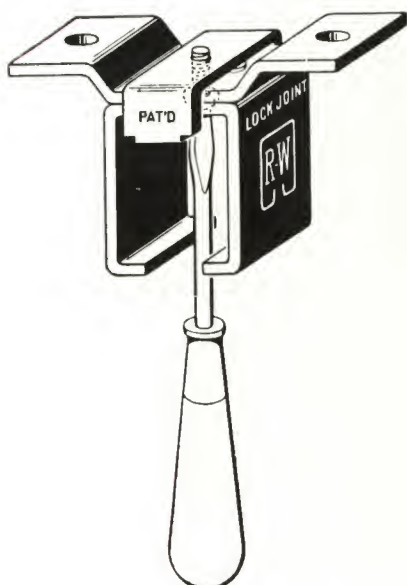


Prevents tracks from creeping and binds them tightly against the bottom of the bracket, making a smooth, tight joint for hanger runway.



Loosen nut "A," raise clamp "B," slide tracks into bracket, drop bent ends of clamp "B" into holes in top of tracks and tighten nut "A."

No other track and brackets on the market have this super feature overcoming a difficulty of long standing.



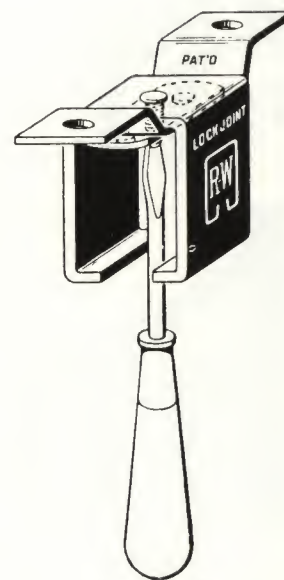
No. 059

How to Apply Lock-Joint Brackets (Nos. 059, 079 and 189) To Standard Size Trolley Track

No. 059. Loosen the clamp screw with screw driver as shown. Slide the tracks into place. Draw clamps into holes in top of track and tighten the clamp screw.

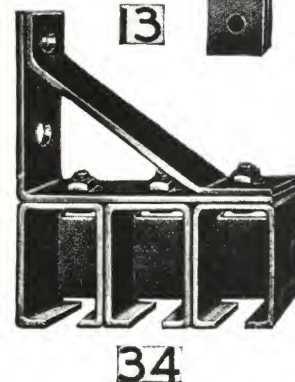
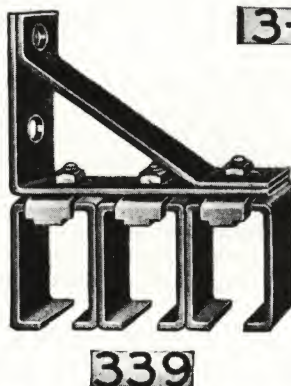
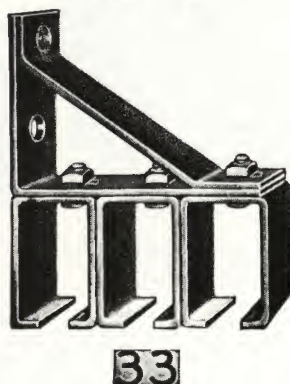
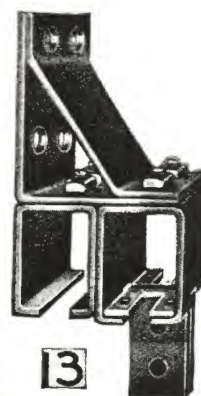
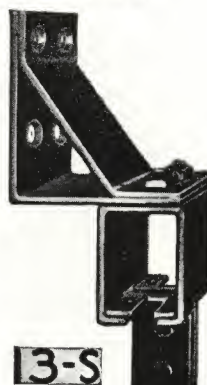
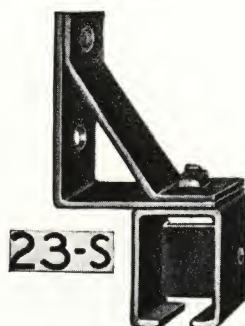
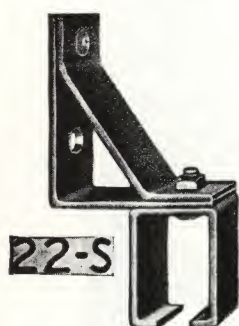
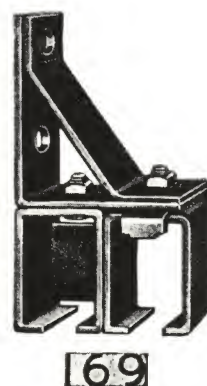
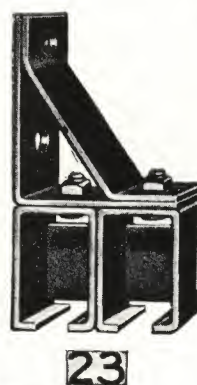
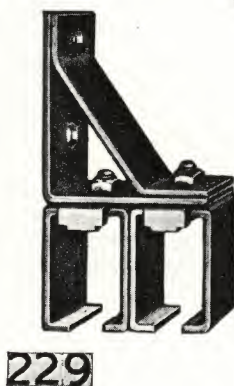
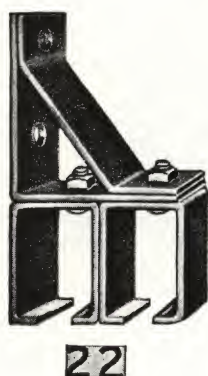
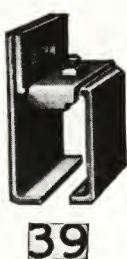
No. 079. Loosen the clamp screw with screw driver as shown. Slide the tracks into place. Draw the lugs on clamp into holes in top of track and tighten the clamp screw.

No. 189. Slide tracks into place, draw lugs on clamp into holes in top of tracks and tighten bolt which holds bracket in place.



No. 079

Sidewall Brackets—For Standard "Lock-Joint" Trolley Track



Above numbers are style numbers only. Track number must be given also.
Bracket dimensions shown on following pages.

Sidewall Style Trolley Track Brackets

Brackets to the Left Illustrate Style Only

For General Dimensional Information See Pages 96 to 111

Certified Template Drawings Are Available Upon Request

Bracket Styles for Overhead Attachment Shown on Pages 94 to 95

Table Below Covers the Brackets Illustrated on the Opposite Page

Bracket Number and Description Table, with Weight, Each, in Pounds

Style No.	Description	For Trolley Track Number									
		30	30 1/2	31 7/8	32	33	35	533	232	233	375
1	Center Bracket.....	1 1/2	3/4	3/4	1 1/2	2 1/2	3/4	6	2	6	4 1/2
2	End Bracket.....	1 1/2	3/4	3/4	1 1/2	2 1/2	3/4	6 1/2	2	6 1/2	4 3/4
12	Center Stop Bracket.....	1 1/2	1 3/4	2	3 1/4	5 1/2	2	9 1/4	4 1/4	8 1/2	.....
13	Half Center Stop Bracket.....	3	5	6 1/2	8 1/2	12 3/4	6 1/2	22 1/2	12 1/2	18 1/2	19
13-S	Special Center Stop Bracket.....	2 1/2	4 1/4	5 1/2	7	8 1/4	5 1/2	16	10 3/4	13	14
22	Center Bracket.....	1	2 1/4	2 3/4	4 1/4	7	2 3/4	18 1/2	6	17 1/2	11
22-S	Special Center Bracket.....	3/4	1 1/2	1 3/4	2 3/4	5 3/4	1 3/4	13	3 3/4	12	7
23	End Bracket.....	1 1/4	2 3/4	3 1/4	4 1/2	7 1/2	3 1/4	19 1/2	6 1/2	18	11 1/2
23-S	Special End Bracket.....	3/4	1 1/2	1 3/4	2 3/4	6	1 3/4	14	4	13	7 1/2
26	Center Bracket.....	1 1/2	3/4	1	.....	.....	.....	.....	.....	.....	.....
27	End Bracket.....	1 1/2	3/4	1	.....	.....	.....	.....	.....	.....	.....
33	Center Bracket.....	1 1/2	2 3/4	4 1/4	5 1/2	10 1/2	4 1/4	28 3/4	8 3/4	26 1/2	15 3/4
34	End Bracket.....	1 3/4	3	4 3/4	6	10 3/4	4 3/4	29	9 1/4	27 1/4	16 1/2
39	Lock-Joint Bracket.....	1 1/2	3/4	1	1 3/4	3	1	7	2 1/2	6 3/4	4 3/4
169	Lock-Joint Bracket.....	1 1/4	2 3/4	3 1/4	4 1/2	7 1/2	3 1/4	20	6 1/2	19	11 1/2
229	Lock-Joint Bracket.....	1 1/4	2 1/2	3 1/2	4 3/4	7 3/4	3 1/2	19	6 3/4	18 1/2	11
269	Lock-Joint Bracket.....	3/4	1	1 1/4	.....	.....	.....	.....	.....	.....	.....
339	Lock-Joint Bracket.....	1 3/4	3 1/2	5 1/4	6	11 1/2	5 1/4	.....	.....	.....	.....

..... Not made for this track.

Directions for Ordering

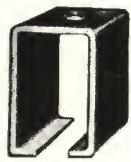
1. Give catalog number and quantity of the style bracket desired.
2. Specify catalog number of track.
3. State finish (gray enamel or galvanized).
(Gray enamel regular, galvanized available when specified, at an extra cost.)

Example

Four No. 2 Style Brackets for use on No. 30 Track are wanted with a gray finish. The order would read as follows: 4—No. 2 x 30 Brackets, gray finish.

Trolley tracks shown on pages 40-43.

Overhead Brackets For Standard "Lock-Joint" Trolley Track



18



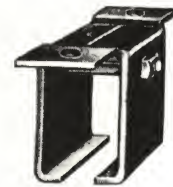
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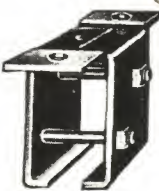
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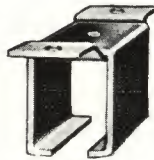
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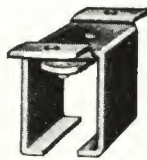
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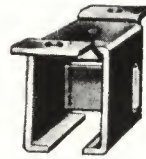
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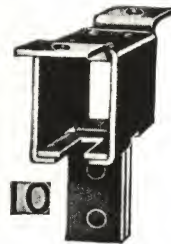
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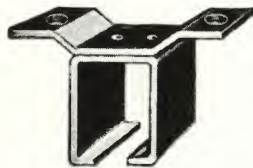
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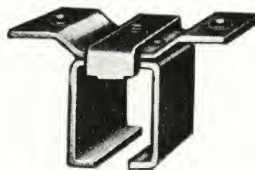
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10



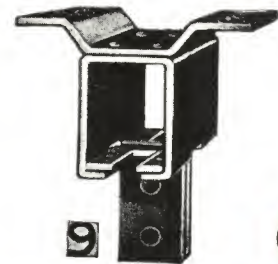
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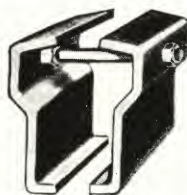
059



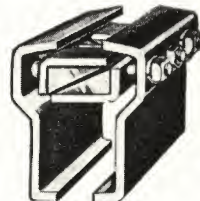
6



9



41



47



42



29



299



30



319



31



32

Above numbers are style numbers only. Track number must be given also.

Bracket dimensions shown on following pages.

Overhead Style Trolley Track Brackets

Brackets to the Left Illustrate Style Only

For General Dimensional Information See Pages 96 to 111

Certified Template Drawings Are Available Upon Request

Bracket Styles for Sidewall Attachment Shown on Page 92 to 93

Table Below Covers the Brackets Illustrated on the Opposite Page

Bracket Number and Description Table, with Weight, Each, in Pounds

Style No.	Description	For Trolley Track Number									
		30	30 1/2	31 7/8	32	33	35	533	232	233	375
059	Lock-Joint Bracket.....	1/2	3/4	1 1/2	2 1/2	4	1 1/2	8 1/4	3	7 3/4	4 3/4
079	Lock-Joint Bracket.....	1/2	3/4	1 3/4	2	4	1 3/4	8 1/4	3	7 1/4	4 3/4
3	Split Center Bracket.....	1/2	3/4	1	2	3 1/2	1	.....	2 1/2	.....	.....
5	Center Bracket.....	1/4	1/2	1 1/2	1 3/4	3 3/4	1 1/2	8 1/4	2 1/2	6 3/4	4
6	End Bracket.....	1/4	1/2	1 1/2	1 3/4	4	1 1/2	8 1/2	2 3/4	7	4 1/2
7	Center Bracket.....	1/2	3/4	1 1/4	1 1/2	3	1 1/4	7 1/4	2 1/4	7	4
8	End Bracket.....	1/2	3/4	1 1/4	1 3/4	3 1/2	1 1/4	7 1/2	2 1/2	7 1/4	4 1/2
9	Center Stop Bracket.....	.....	2	3	3 1/4	7	3	10 1/2	6	9 1/2	.....
10	Center Stop Bracket.....	.....	1 3/4	2 1/4	3 1/4	6	2 1/4	10 3/4	5 1/4	9	.....
11	Center Stop Bracket.....	.....	1/2	2	2 3/4	5	2	8 3/4	4 1/4	7 1/2	5 1/2
18	Center Bracket.....	1/4	1/2	1 1/4	1 1/2	3 1/2	1 1/4	5 1/4	1 3/4	5	4 1/2
19	End Bracket.....	1/4	1/2	1 1/4	1 1/2	3 3/4	1 1/4	6	2	5 1/2	4 3/4
20	Split End Bracket.....	1/2	3/4	1 1/4	2 1/4	3 3/4	1 1/4	.....	2 3/4	.....	.....
29	Center Bracket.....	3/4	1 1/4	3 1/4	4 1/2	7 1/2	3 1/4	15 1/2	6	15	10 1/2
30	End Bracket.....	1	1 1/2	3	5	7 3/4	3	16 1/2	6 1/2	15 1/2	11 1/2
31	Center Bracket.....	1 1/4	2	4 1/2	6	12 1/2	4 1/2	22 3/4	8 1/2	21 3/4	14
32	End Bracket.....	1 1/2	2 1/2	4 3/4	6 1/2	13	4 3/4	23 3/4	9	23	14 1/2
41	I-Beam Center Bracket.....	.....	.....	2	3	5 1/4	2	8 1/2	4	7 1/2	6
42	I-Beam End Bracket.....	.....	.....	2 1/4	3 1/4	5 1/2	2 1/4	8 3/4	4 1/4	7 3/4	6 1/2
47	Lock-Joint I-Beam Bracket.....	.....	.....	3	5	8	3	10	.....	.....	8 1/4
189	Lock-Joint Bracket.....	1/2	3/4	1 1/2	1 3/4	3 3/4	1 1/2	5 3/4	2 1/4	5 3/4	4 3/4
299	Lock-Joint Bracket.....	1 1/4	1 3/4	3 1/4	5 1/4	8 1/4	3 1/4	16 1/2	6 1/2	16	10 3/4
319	Lock-Joint Bracket.....	1 3/4	2 1/2	5	6 1/2	13	5	24	9	22 1/2	14 1/2

..... Not made for this track.

Directions for Ordering

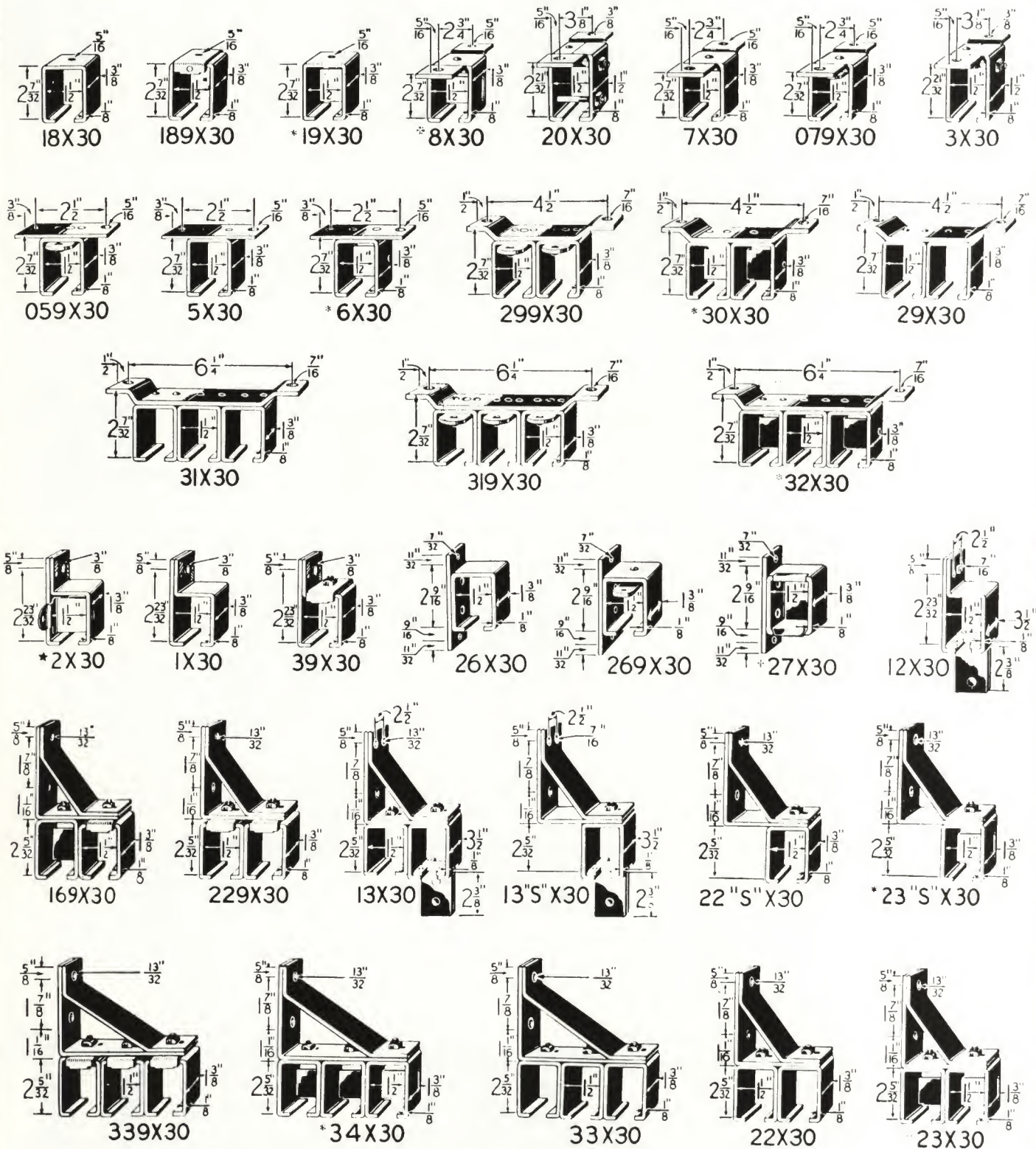
1. Give catalog number and quantity of the style bracket desired.
2. Specify catalog number of track.
3. State finish (gray enamel or galvanized).
(Gray enamel regular, galvanized available when specified, at an extra cost).

Example

Four No. 3 Style Brackets for use on No. 31 Track are wanted with a gray finish. The order would read as follows: 4—No. 3 x 31 Brackets, gray enamel.

Trolley tracks shown on pages 40-43.

Dimensions of Overhead and Sidewall Brackets for No. 30 "Lock-Joint" Trolley Track



* Locate No. 2 end Bracket to permit track to enter Bracket $1\frac{1}{16}$ ".

* Locate Nos. 6, 8, 19, 23, 23 "S", 30, 32, 34, 169 end Bracket to permit track to enter Bracket $1\frac{1}{16}$ ".

† Locate No. 27 end Bracket to permit track to enter Bracket $1\frac{1}{8}$ ".

Richards-Wilcox

Dimensions of Overhead and Sidewall Brackets for No. 30½ "Lock-Joint" Trolley Track



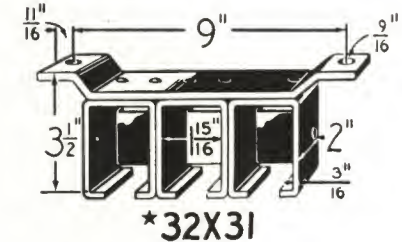
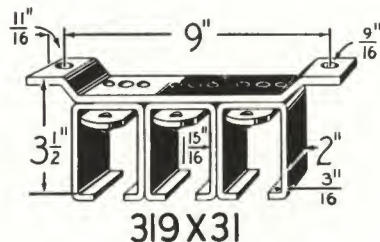
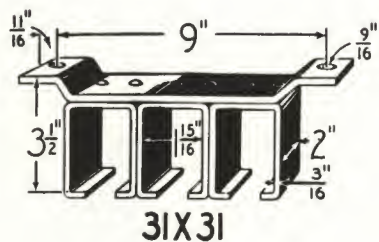
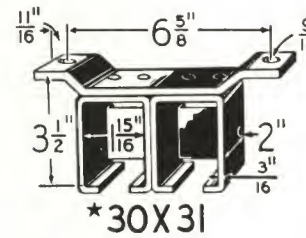
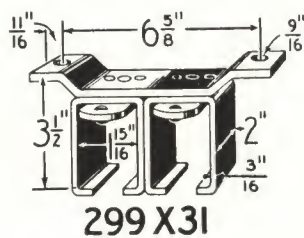
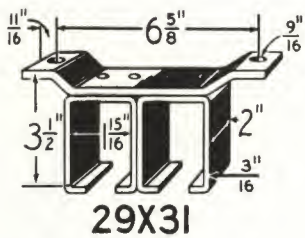
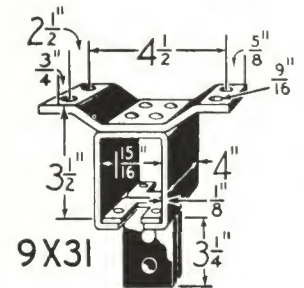
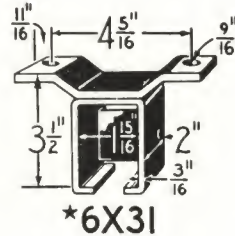
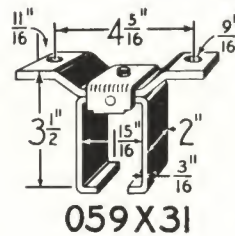
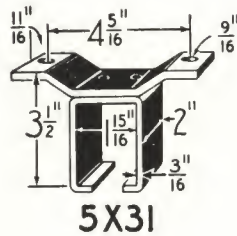
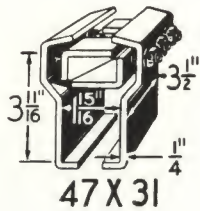
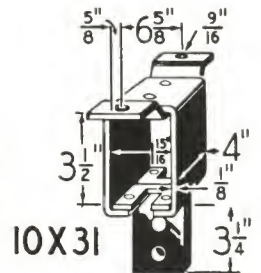
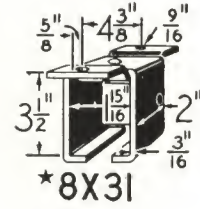
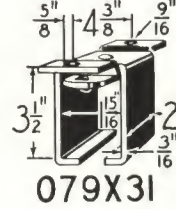
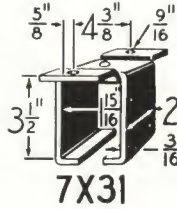
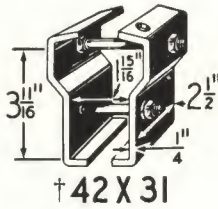
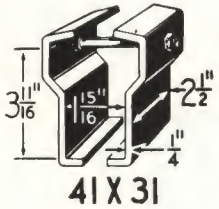
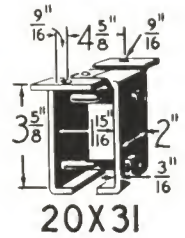
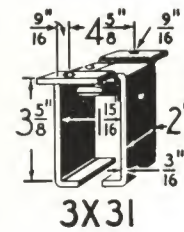
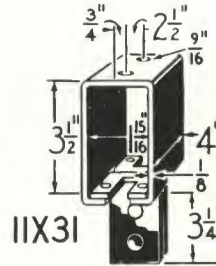
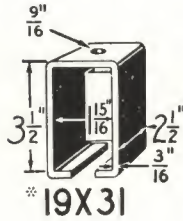
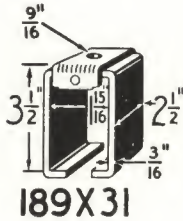
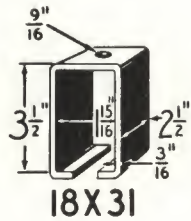
* Locate No. 2 end Bracket to permit track to enter Bracket 13⅞".

* Locate Nos. 6, 8, 30, 32 end Bracket to permit track to enter Bracket 1¼".

† Locate Nos. 19, 23, 23 "S", 27, 34, 169 end Bracket to permit track to enter Bracket 1½".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Overhead Brackets for Nos. 31, 35 and 75 "Lock-Joint" Trolley Tracks



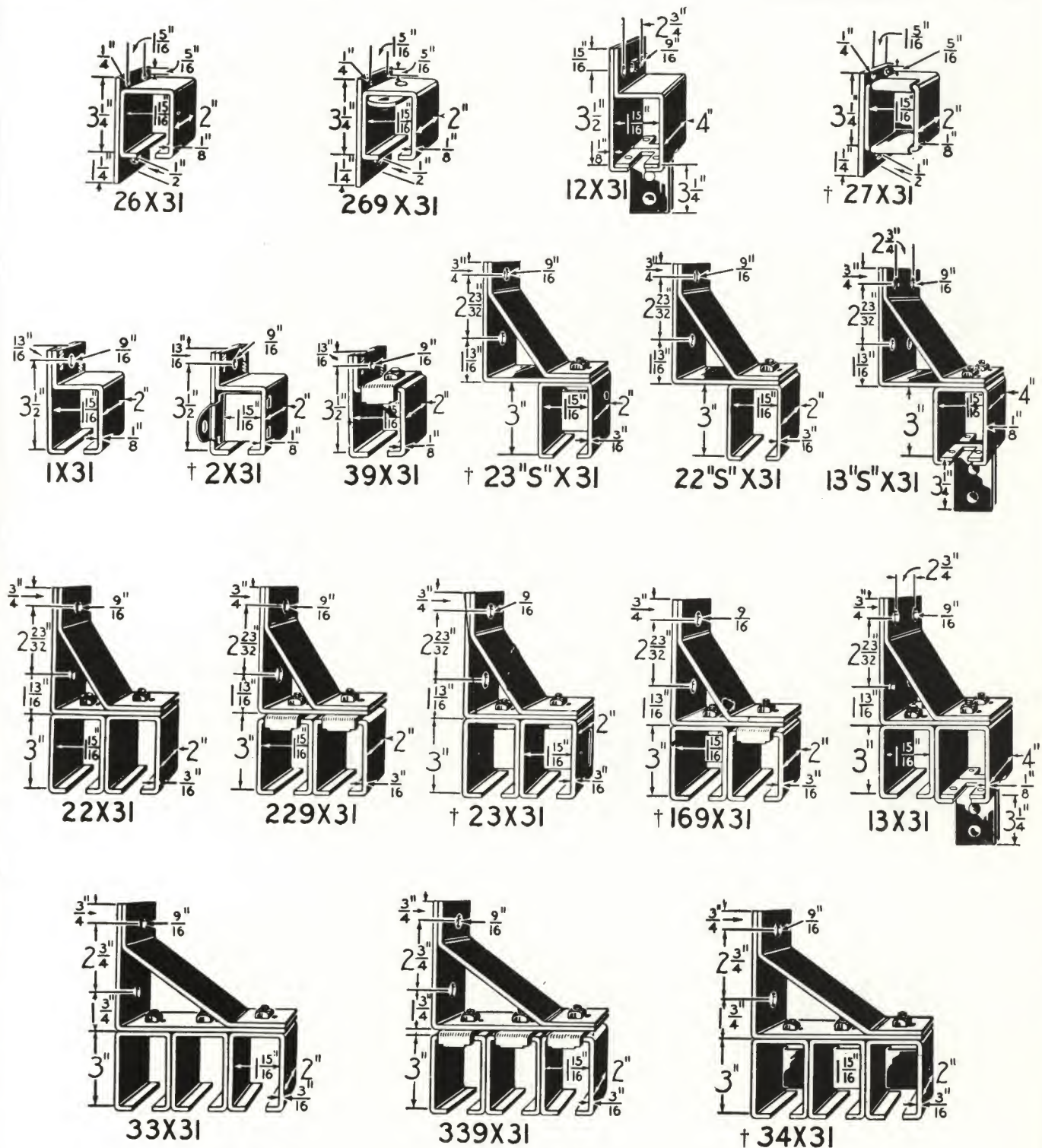
* Locate Nos. 6, 8, 32, 30 end Bracket to permit track to enter Bracket 1 5/8".

* Locate No. 19 end Bracket to permit track to enter Bracket 2 1/8".

† Locate No. 42 end Bracket to permit track to enter Bracket 1 1/4".

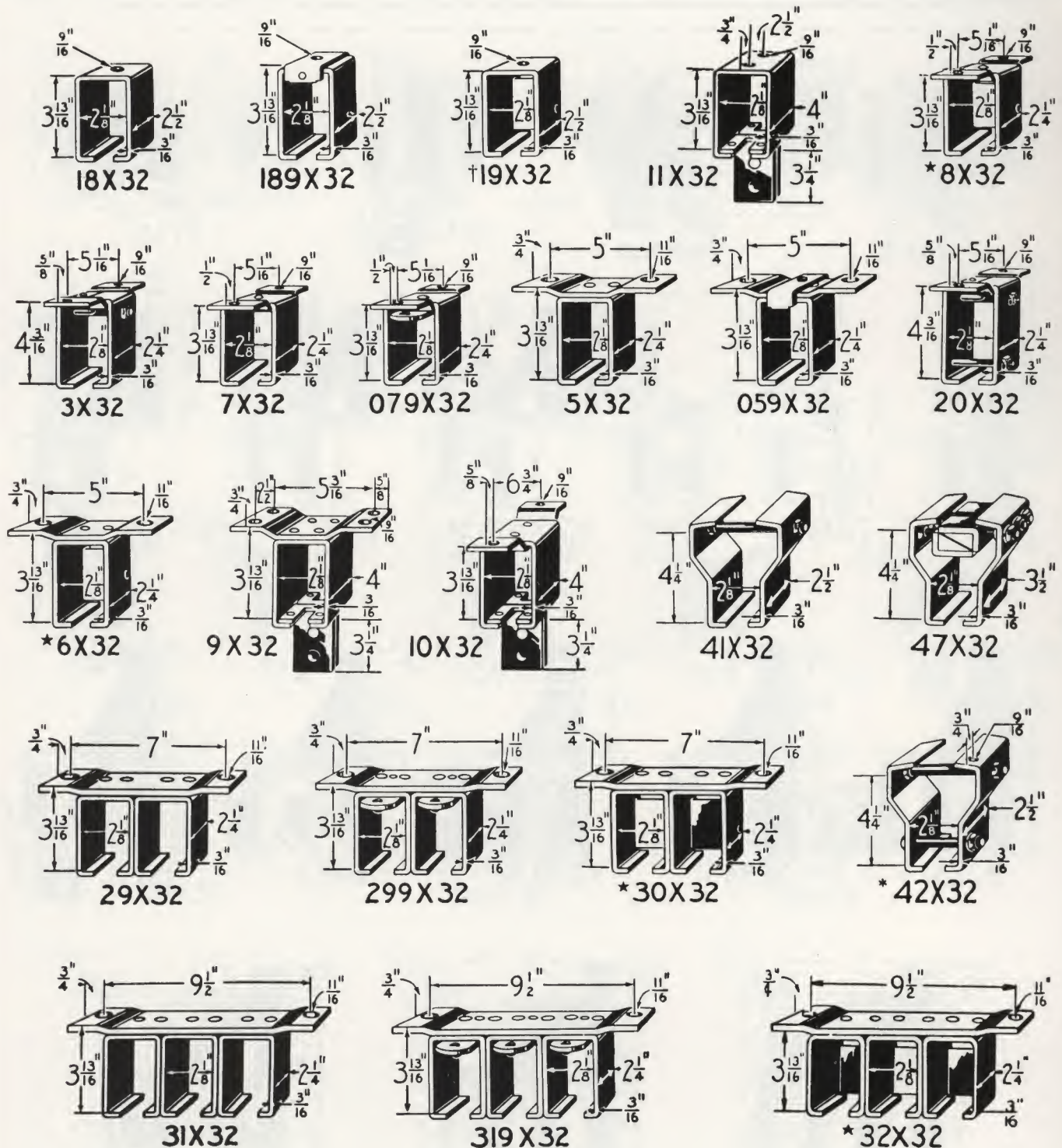
Dimensions of Sidewall Brackets for Nos. 31, 35 and 75 "Lock-Joint" Trolley Tracks

No. 35 Track Brackets have the same dimensions as shown below except the Nos. 12 and 13 types, where the 3-1/4" dimension is changed to 3-1/8".



† Locate Nos. 2, 34, 23, 23 "S", 27, 169 end Bracket to permit track to enter Bracket 1 5/8".

Dimensions of Overhead Brackets for No. 32 "Lock-Joint" Trolley Track



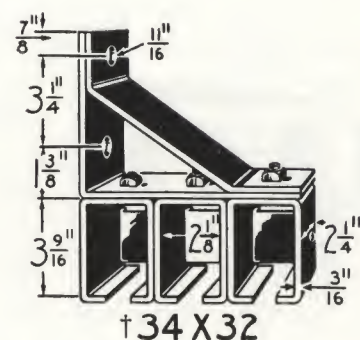
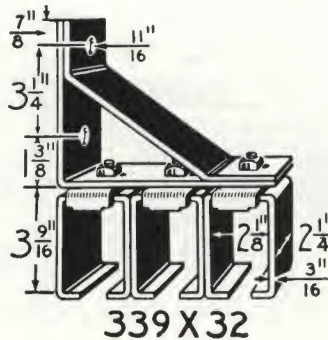
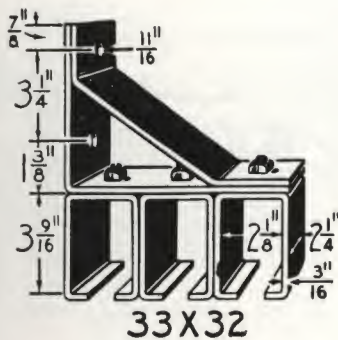
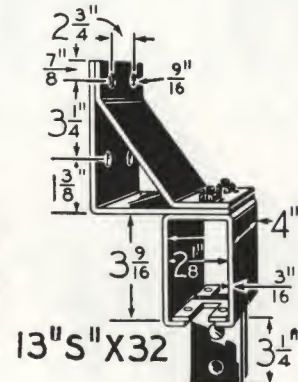
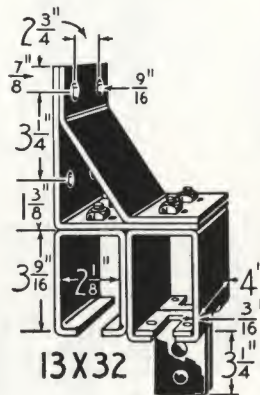
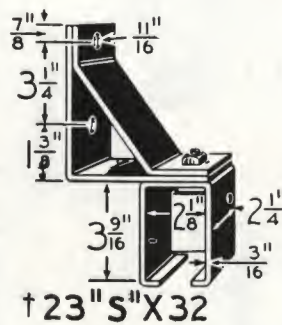
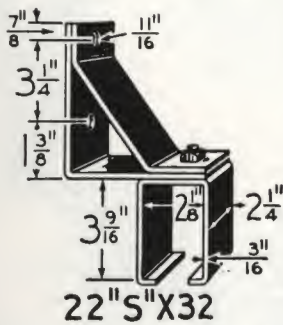
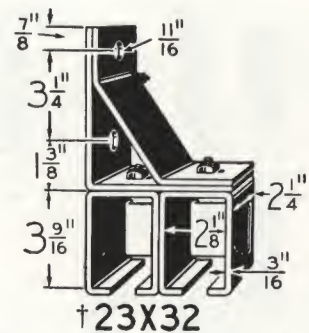
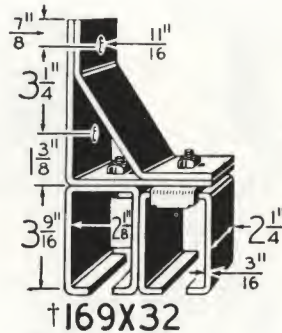
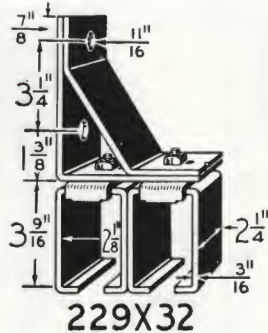
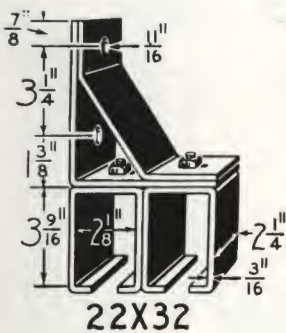
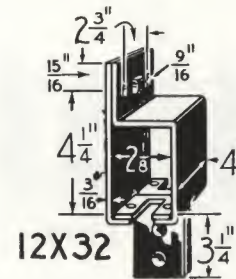
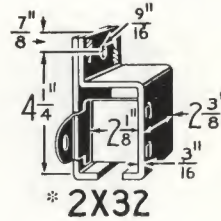
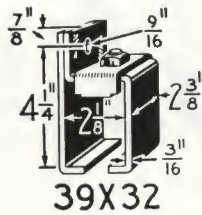
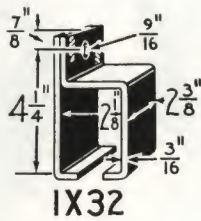
* Locate Nos. 6, 8, 30, 32 end Bracket to permit track to enter Bracket $1\frac{7}{8}$ ".

* Locate No. 42 end Bracket to permit track to enter Bracket $1\frac{1}{4}$ ".

† Locate No. 19 end Bracket to permit track to enter Bracket $2\frac{1}{8}$ ".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Sidewall Brackets for No. 32 "Lock-Joint" Trolley Track

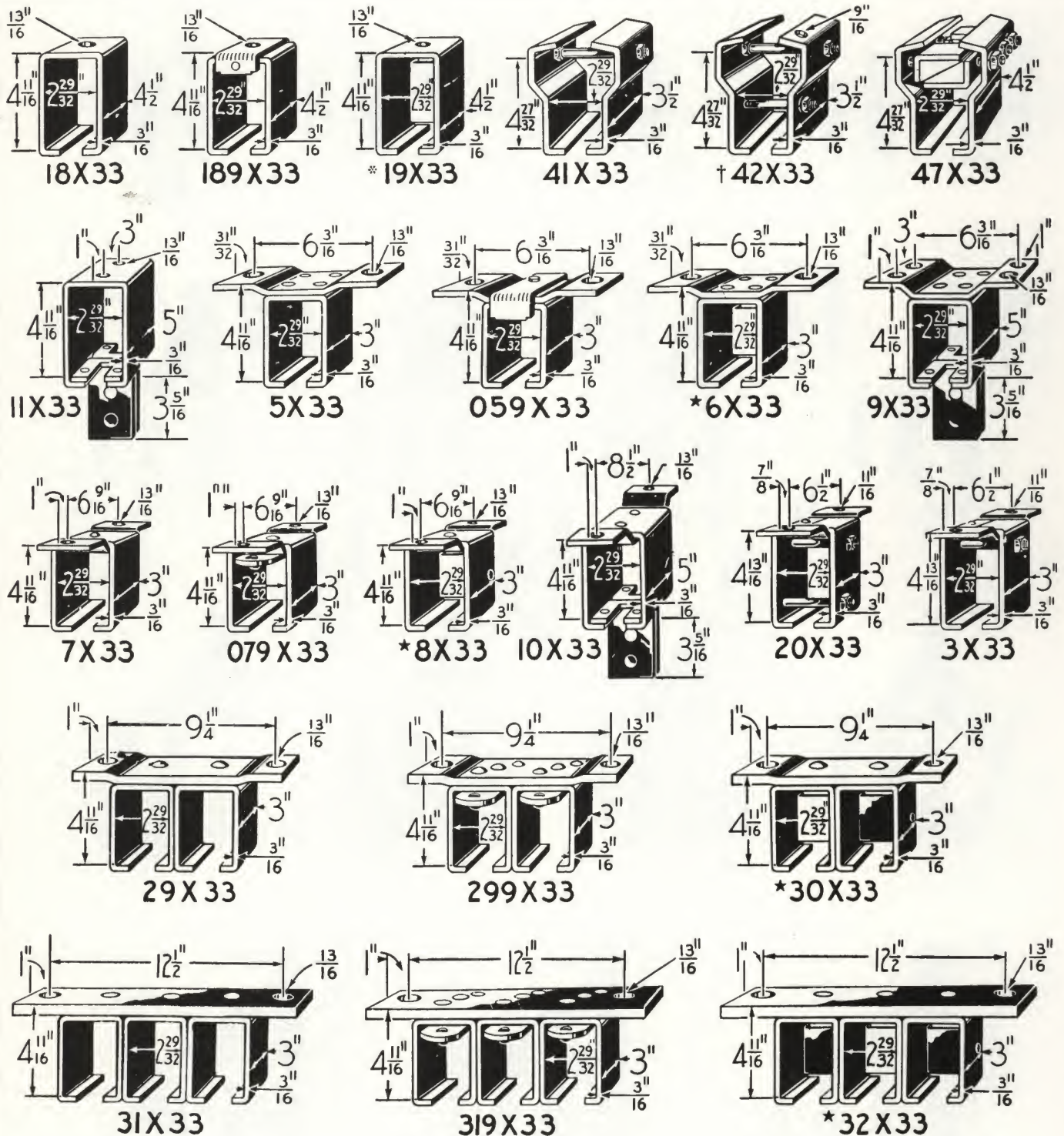


* Locate No. 2 end Bracket to permit track to enter Bracket 2".

† Locate Nos. 23, 23 "S", 34, 169 end Bracket to permit track to enter Bracket 1 7/8".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Overhead Brackets for No. 33 "Lock-Joint" Trolley Track



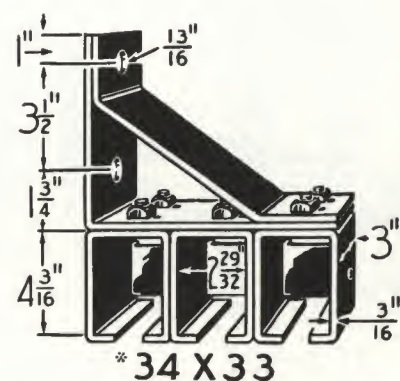
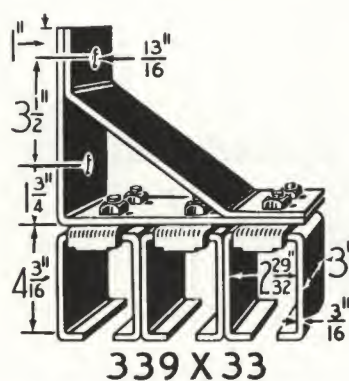
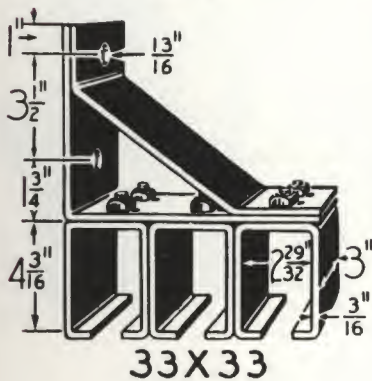
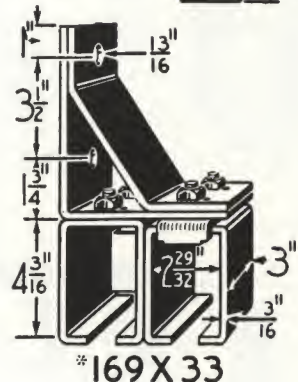
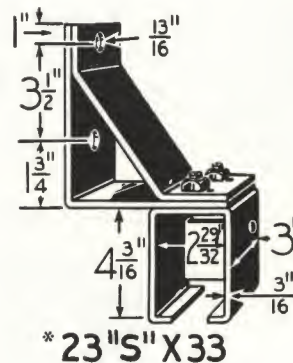
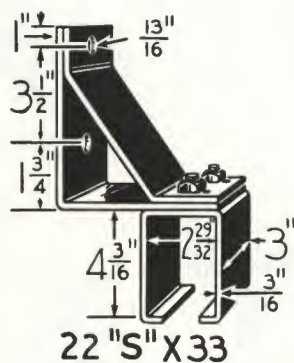
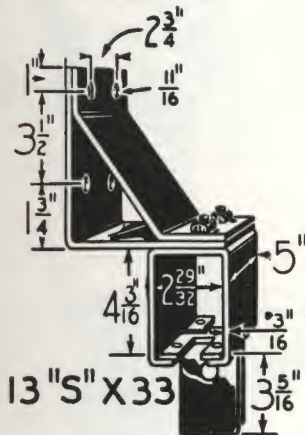
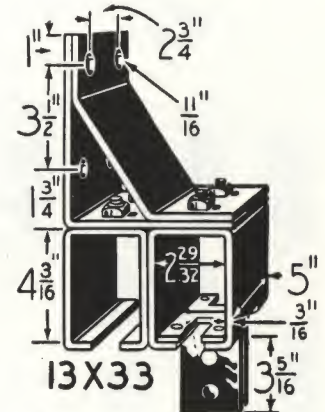
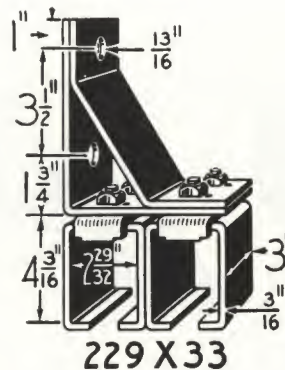
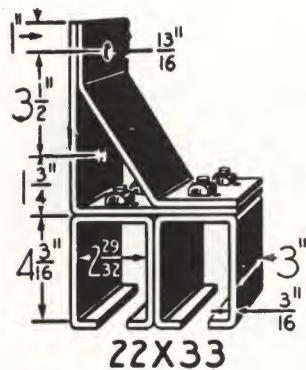
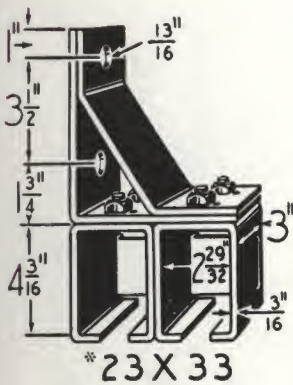
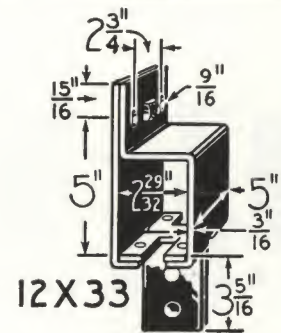
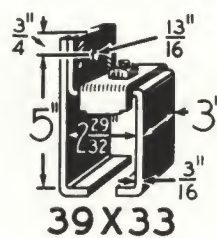
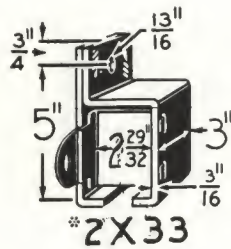
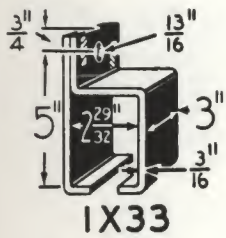
* Locate Nos. 6, 8, 30, 32 end Bracket to permit track to enter Bracket $2\frac{5}{8}$ ".

* Locate No. 19 end Bracket to permit track to enter Bracket 4".

† Locate No. 42 end Bracket to permit track to enter Bracket $2\frac{3}{8}$ ".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

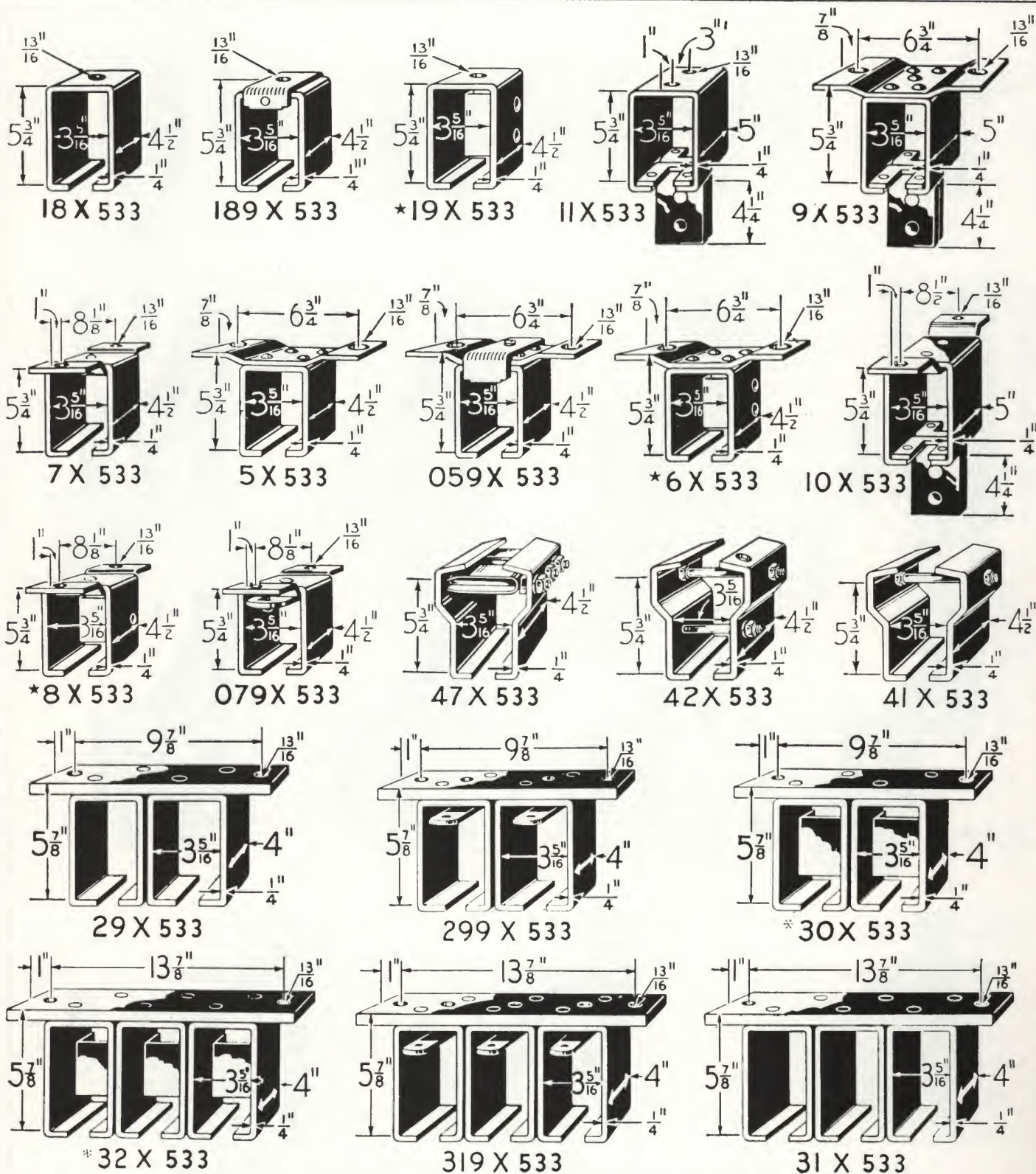
Dimensions of Sidewall Brackets for No. 33 "Lock-Joint" Trolley Track



* Locate Nos. 2, 23, 23 "S", 34, 169 end Bracket to permit track to enter Bracket 2 5/8".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

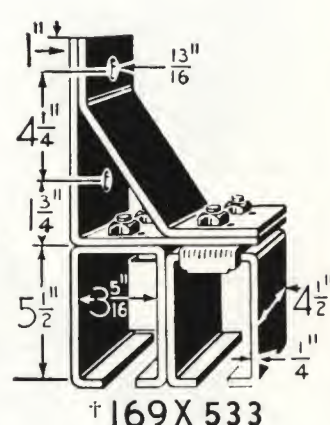
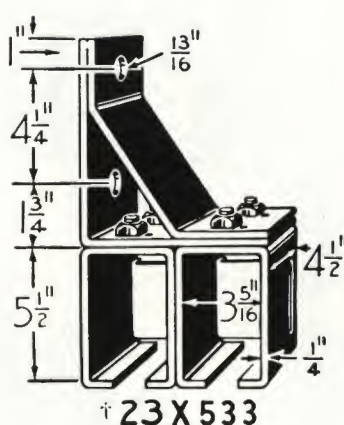
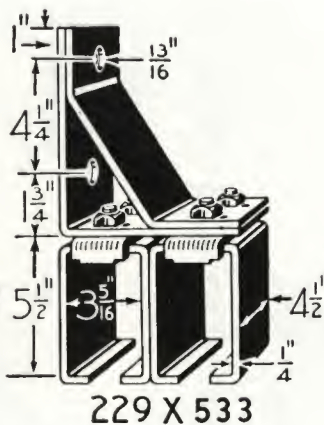
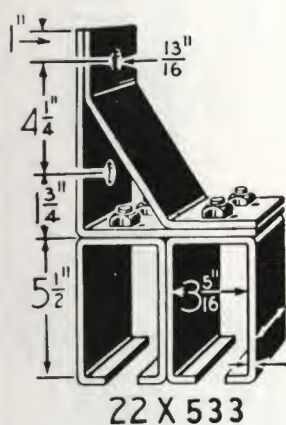
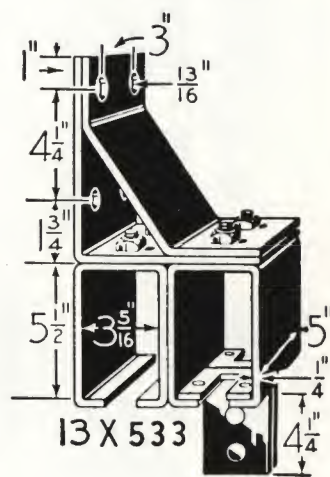
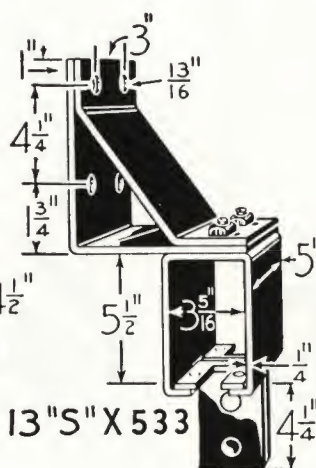
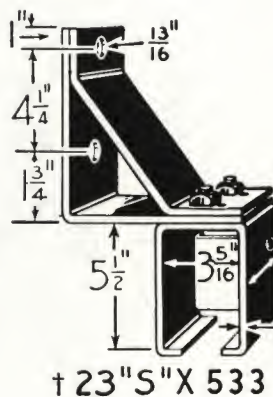
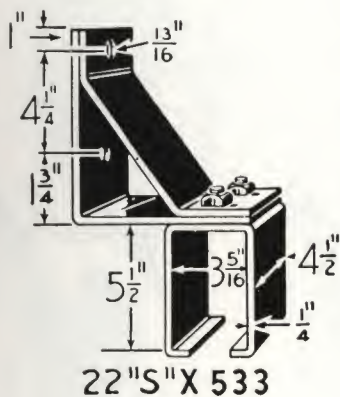
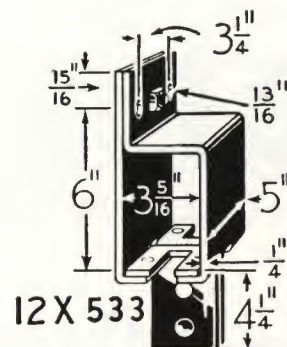
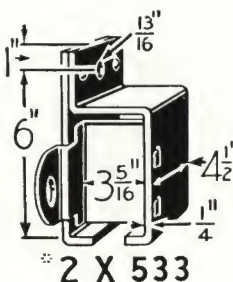
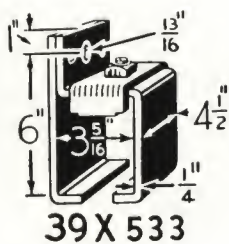
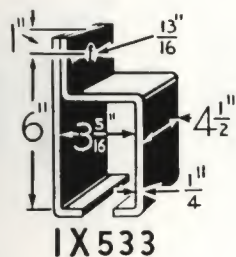
Dimensions of Overhead Brackets for No. 533 "Lock-Joint" Trolley Track



- * Locate Nos. 6, 8, 19 end Bracket to permit track to enter Bracket $3\frac{1}{4}$ ".
- † Locate Nos. 30, 32 end Bracket to permit track to enter Bracket $2\frac{3}{4}$ ".
- ‡ Locate No. 42 end Bracket to permit track to enter Bracket $3\frac{3}{8}$ ".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Sidewall Brackets for No. 533 "Lock-Joint" Trolley Track

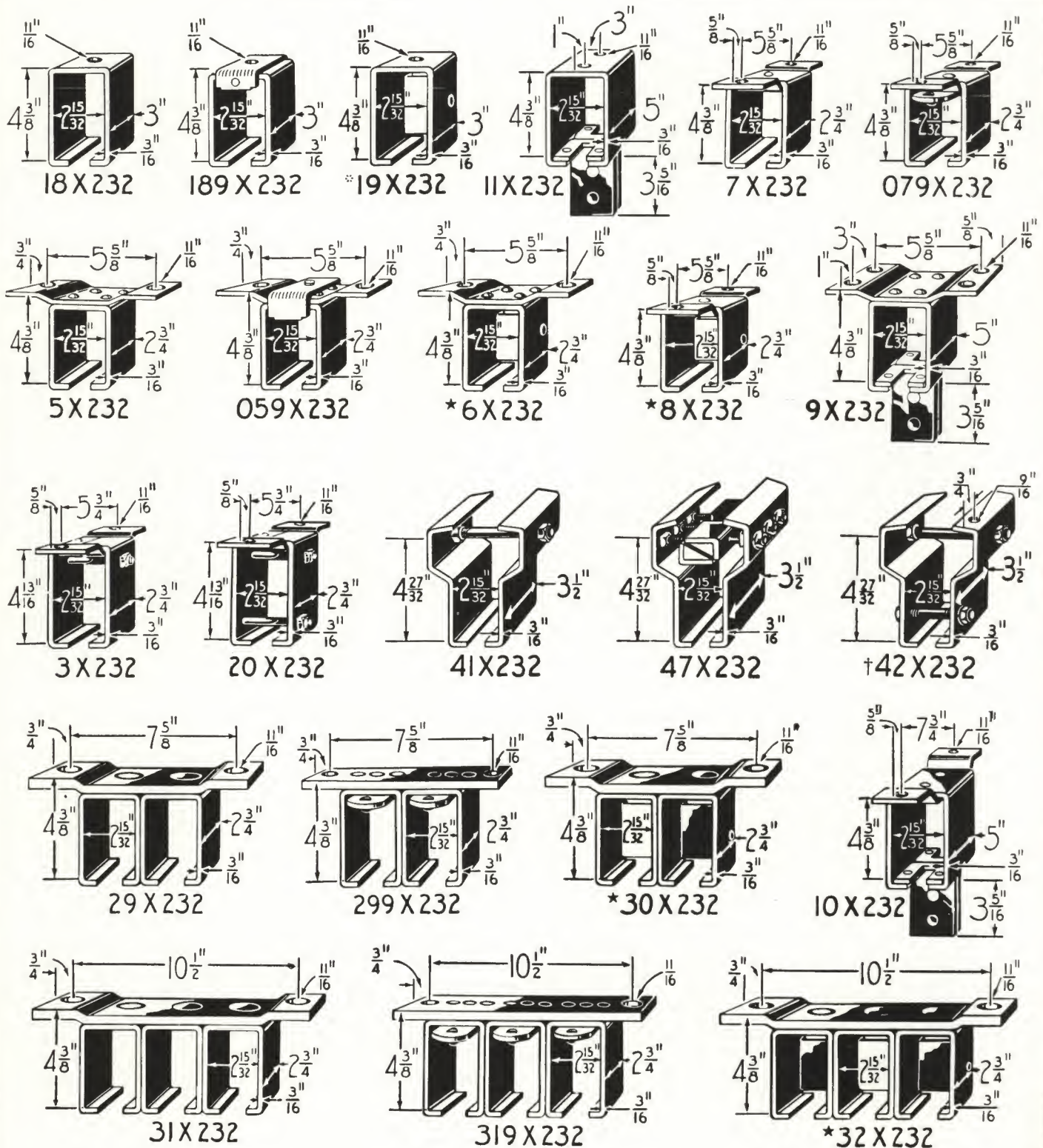


* Locate No. 2 end Bracket to permit track to enter Bracket 4".

† Locate Nos. 23, 23 "S", 169 end Bracket to permit track to enter Bracket 3 1/4".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Overhead Brackets for No. 232 "Lock-Joint" Trolley Track



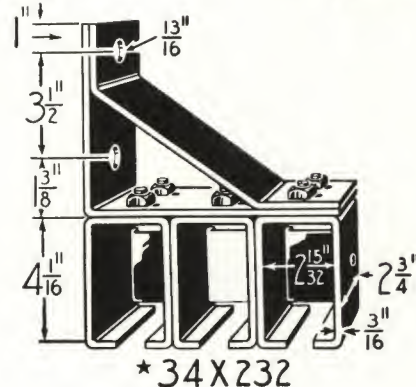
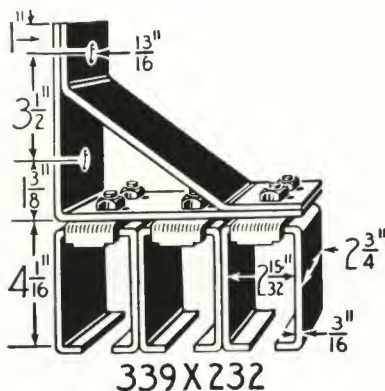
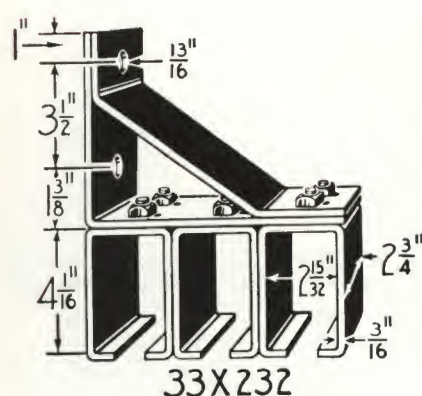
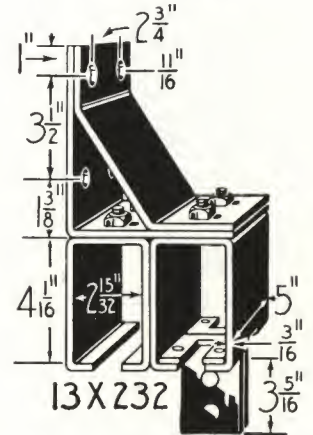
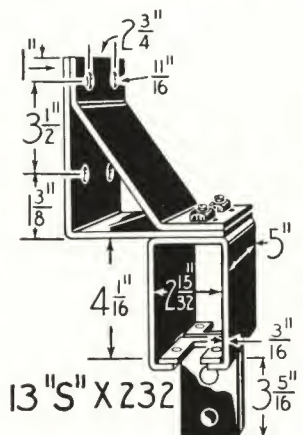
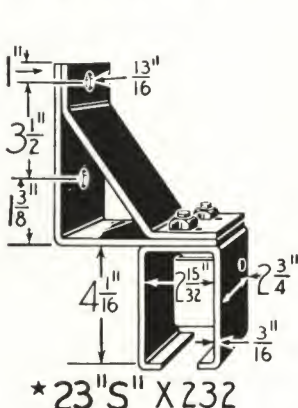
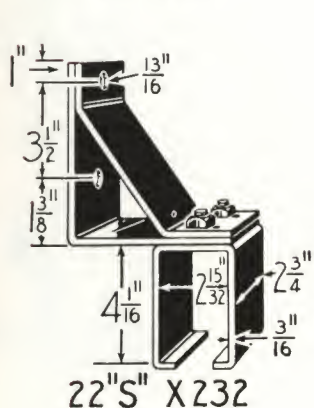
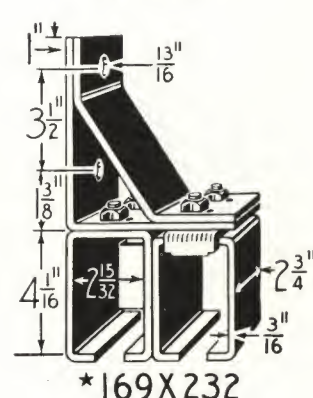
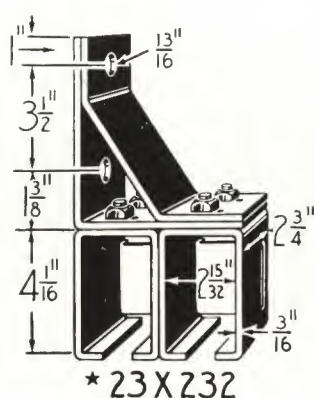
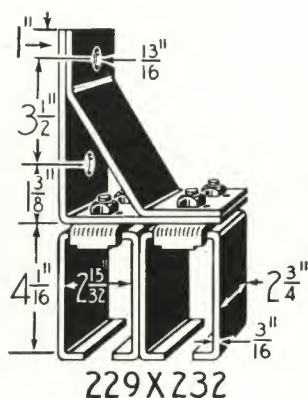
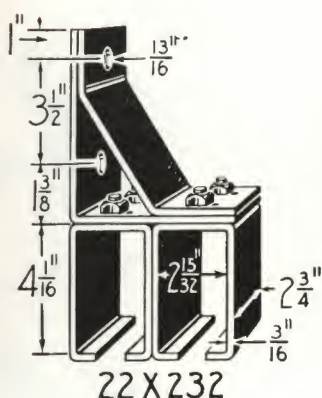
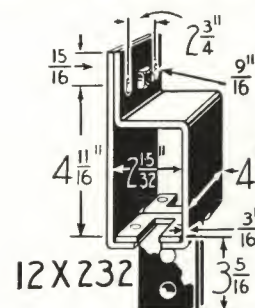
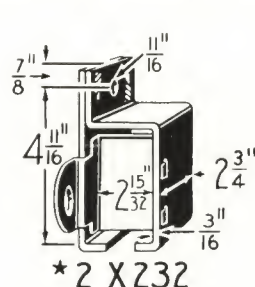
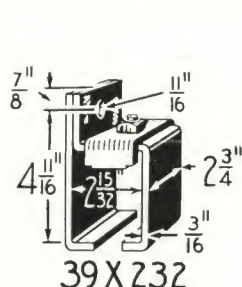
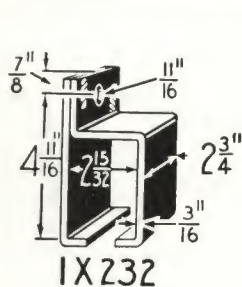
* Locate Nos. 6, 8, 30, 32 end Bracket to permit track to enter Bracket $2\frac{1}{4}$ ".

* Locate No. 19 end Bracket to permit track to enter Bracket $2\frac{1}{2}$ ".

† Locate No. 42 end Bracket to permit track to enter Bracket $2\frac{3}{8}$ ".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

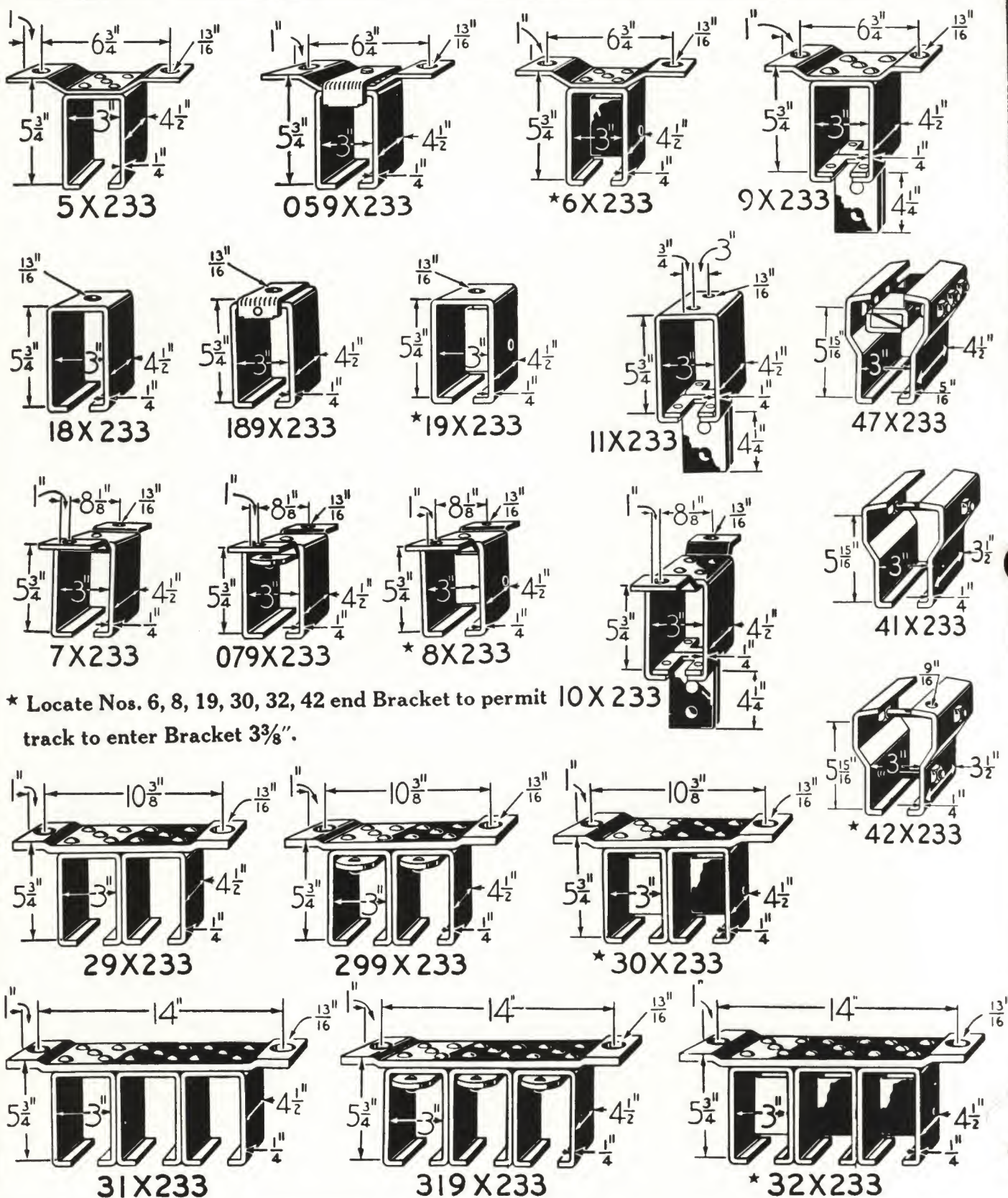
Dimensions of Sidewall Brackets for No. 232 "Lock-Joint" Trolley Track



* Locate Nos. 2, 23, 23 "S", 34, 169 end Bracket to permit track to enter Bracket 2 1/4".

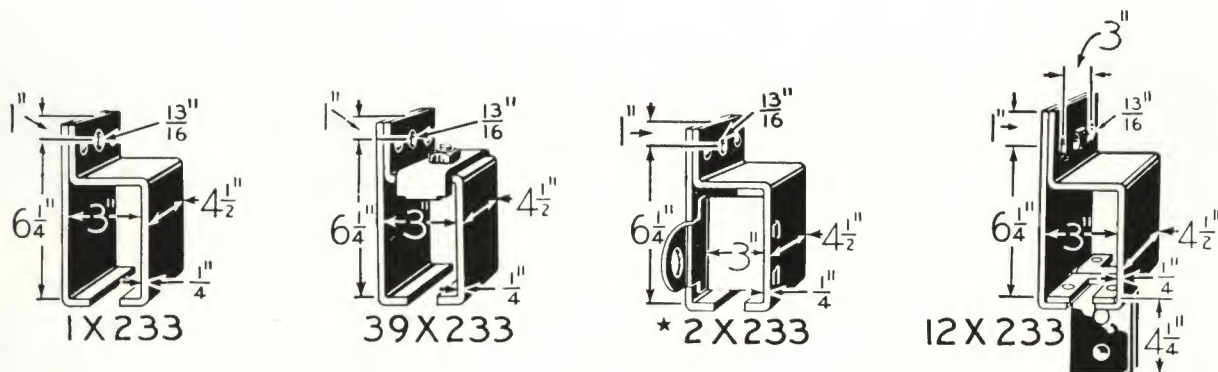
Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Overhead Brackets for No. 233 "Lock-Joint" Trolley Track

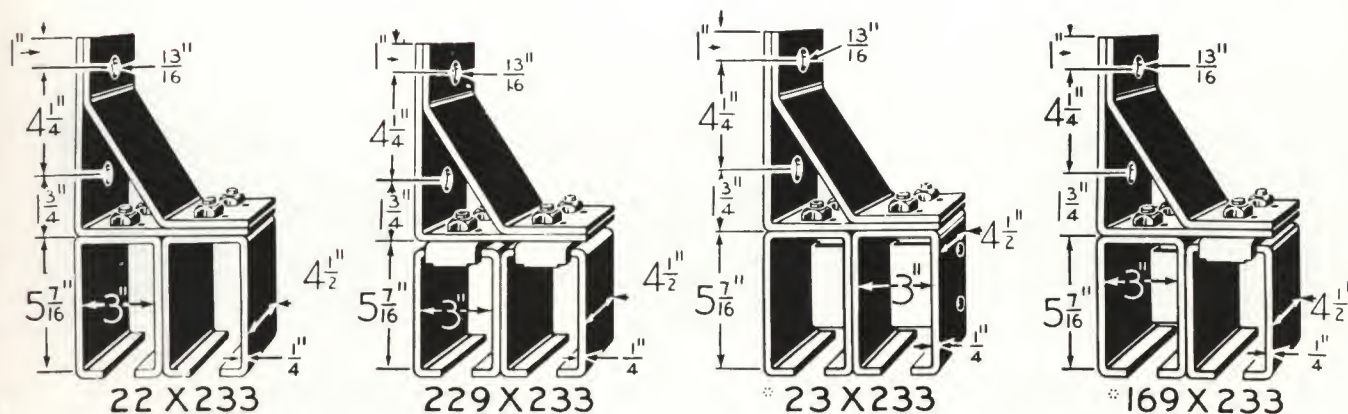
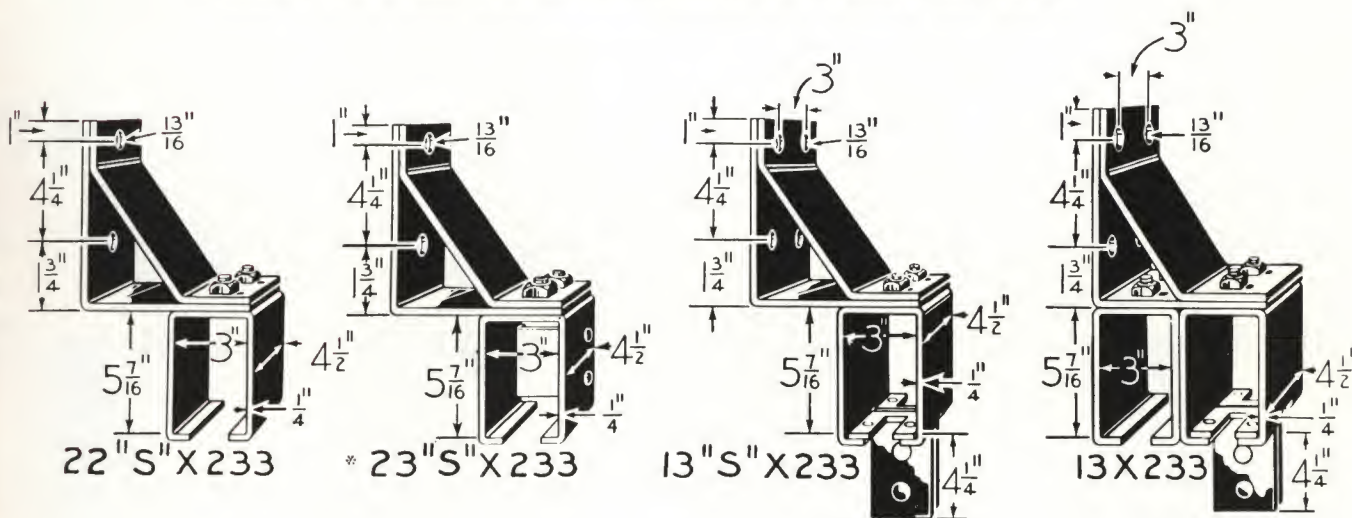


Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Sidewall Brackets for No. 233 "Lock-Joint" Trolley Track

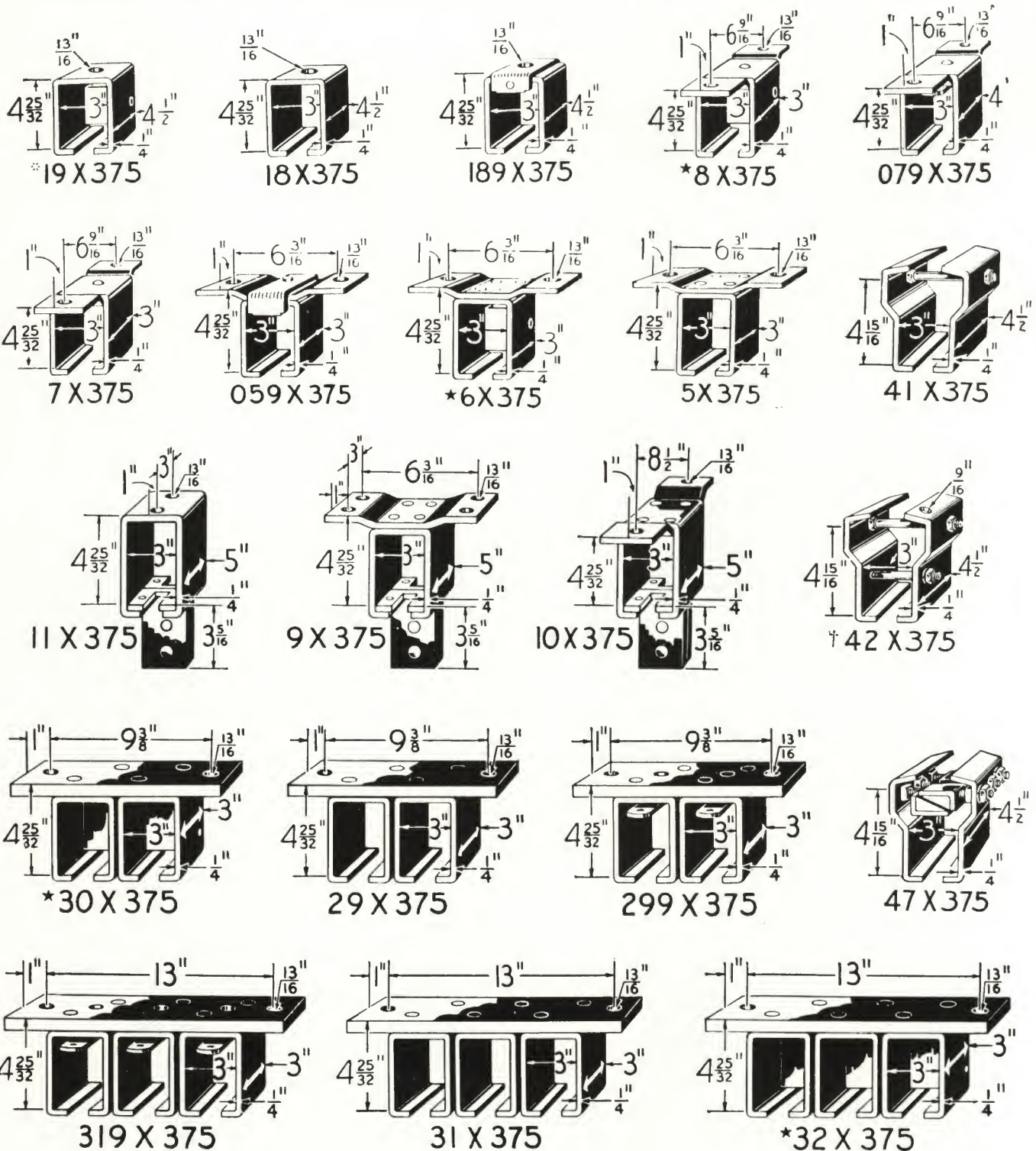


* Locate No. 2 end Bracket to permit track to enter Bracket 4".



* Locate Nos. 23, 23 "S", 169 end Bracket to permit track to enter Bracket 3 3/8".

Dimensions of Overhead Brackets for No. 375 "Lock-Joint" Trolley Track



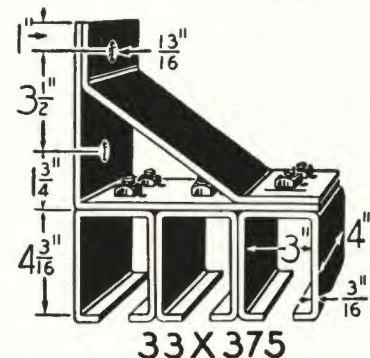
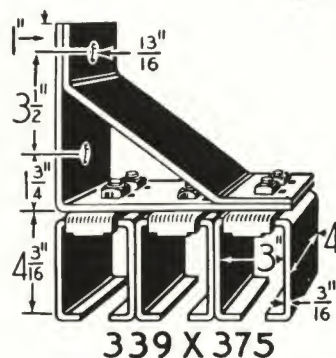
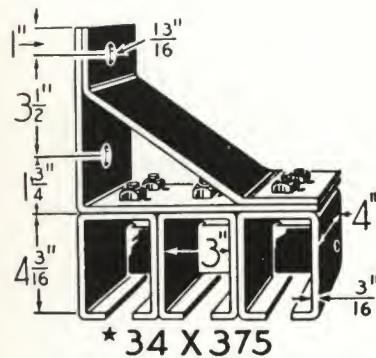
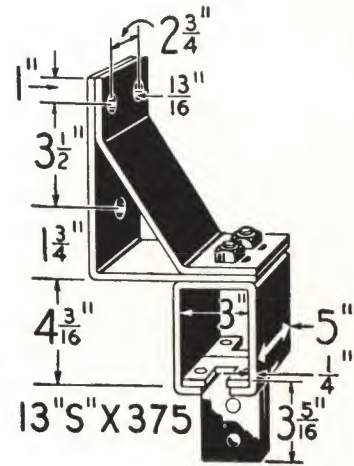
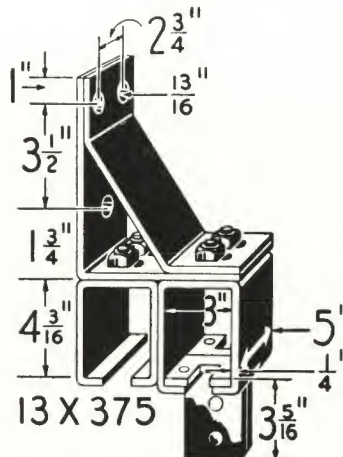
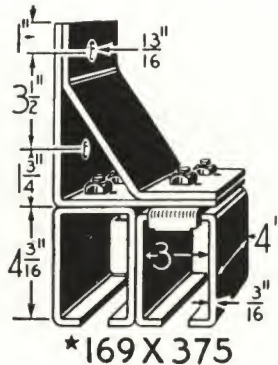
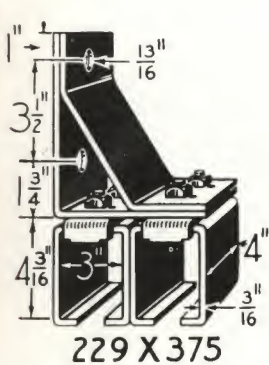
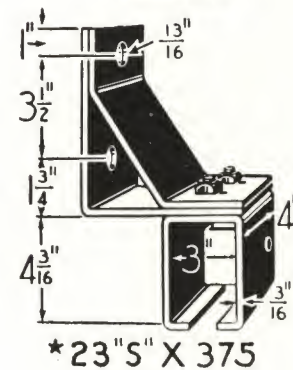
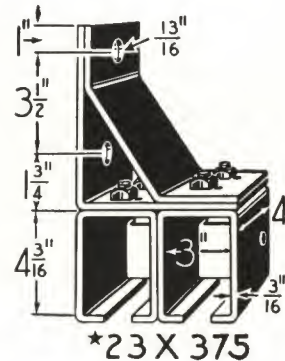
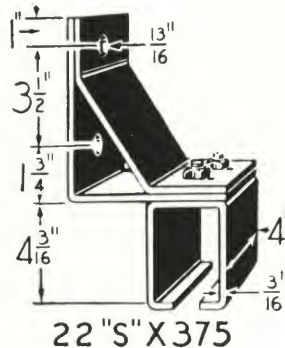
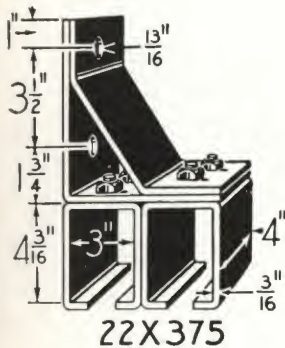
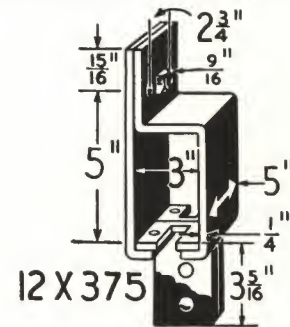
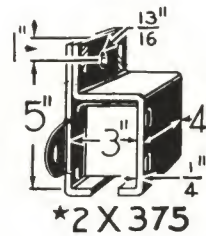
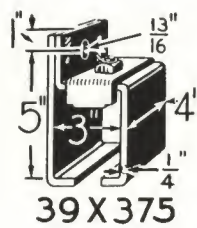
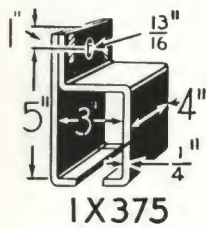
* Locate Nos. 6, 8, 30, 32 end Bracket to permit track to enter Bracket $2\frac{1}{8}$ ".

* Locate No. 19 end Bracket to permit track to enter Bracket $3\frac{5}{8}$ ".

† Locate No. 42 end Bracket to permit track to enter Bracket $3\frac{3}{8}$ ".

Trolley track shown on pages 40-43—bracket weight table, pages 93-95.

Dimensions of Sidewall Brackets for No. 375 "Lock-Joint" Trolley Track



* Locate Nos. 2, 23, 23 "S", 34, 169 end Bracket to permit track to enter Bracket $3\frac{1}{8}$ ".

No. 296 Galvanized Housing

- **Use**
For weather and bird-proof track installation.
- **Construction**
No. 22 gauge steel.
- **Installation**
Can be placed over old track already erected.
- **Extras Included**
Cap furnished for each joint plus one right and one left end housing blind and screws.
- **Length of Housing**
Length of housing should equal twice width of opening plus 3" to provide space for housing blinds on each end.
- **Stock Lengths**
Made in 4', 4' 3", 6', 8', and 10' lengths.
- **Finish**
Galvanized only.
- **Weight**
Per foot, 1 lb.

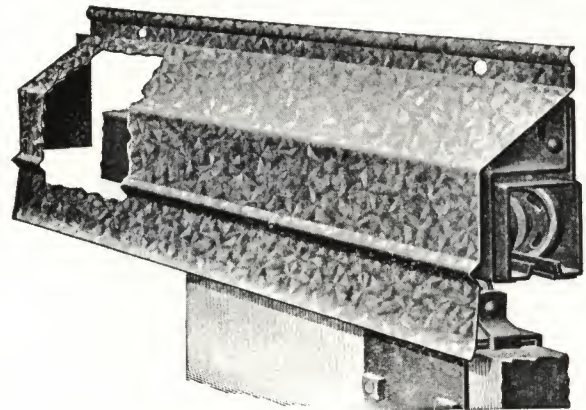
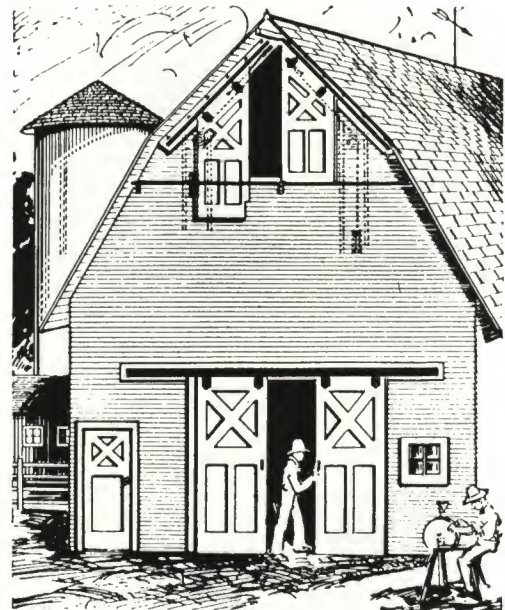


Table Showing Proper Housing to Specify for Various Hangers and Track

Housing Number for Single Track	For Track Number	Using Hanger Number
296-3	35	421
	31	20 1/2 B; 20-2; 25; 27 1/2 B; 621; 921
	32	28 1/2 B; 28-V
296-7	232	29-V; 29 1/2 B
	33	121; 123 1/2 B; 150; 150 1/2 B

Sliding Gable Door Fixtures

- **Use**
For double sliding doors in gable of barn.
- **Operation (See Illustration at Right)**
Track mounted parallel with roof. Hangers attached same as on any door. Each door counterbalanced by weights attached to steel cable which passes over two cable pulleys located above each door.
Doors raised or lowered easily permitting use of entire or part of opening as desired. Steel guide holds bottom of door against building when closed and acts as guide and stop when open. Weights can be of any convenient material. Concrete weighs 137 lbs. per cubic foot. Where 2 x 6 studding is used, weights should be 8" wide, 5" thick, and height according to weight of door.
- **Sets**
Furnished complete with all necessary hardware.
No. 278 x 31 sets for doors up to 300 lbs. No. 20 hangers, No. 31 track with No. 1 x 31 and No. 2 x 31 brackets.
- **Weight**
See table at right.

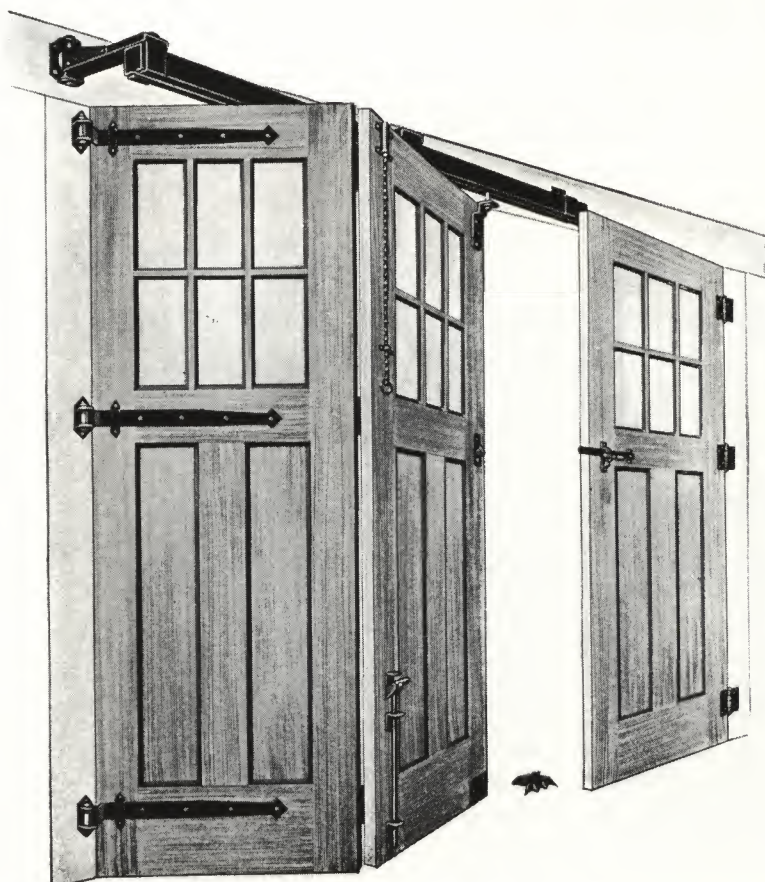


Weight Table

278 x 31-6	278 x 31-7	278 x 31-8	278 x 31-9	278 x 31-10	278 x 31-12
6-Foot Opening	7-Foot Opening	8-Foot Opening	9-Foot Opening	10-Foot Opening	12-Foot Opening
60 lbs.	65 lbs.	70 lbs.	75 lbs.	80 lbs.	85 lbs.



Door Trim Hardware



For Correct "Hand" of R-W Doors See Page 2

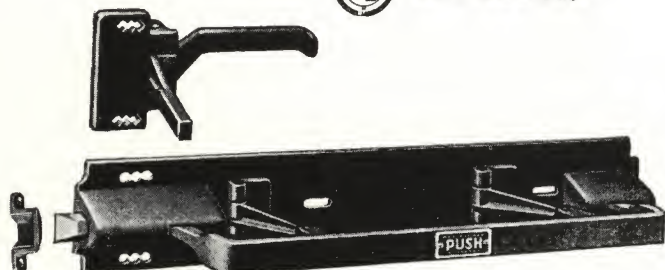
Panic Bolts for Single Swing Doors

Inspected And Approved By The Underwriters' Laboratories, Inc., Listed Under Reexamination Service . . . Exit Devices

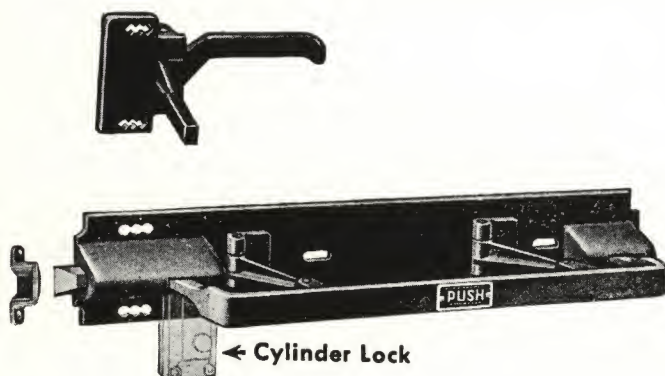
Patent No. 2,320,298



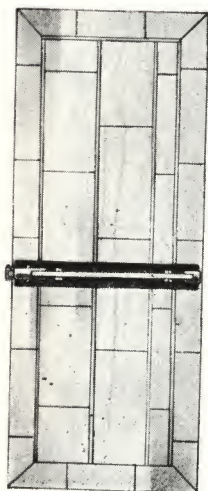
Exit Devices



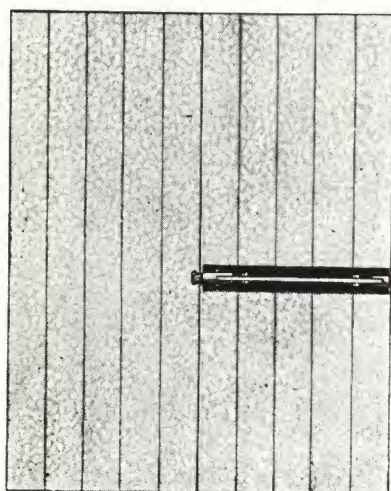
No. 144 Bolt with Outside Handle, Reversible Right Hand or Left Hand.



No. 144 Bolt with Cylinder Lock, Hand Not Reversible.



No. 144 Bolt Used on Single Swing Doors. (No. 446 Door Shown)



No. 144-2 Used on Active Door of a Pair of Swing Doors. (No. 647 Door Shown)

• USE

For single swing doors or the active door of a pair of swing doors from 1 3/8" to 2 3/4" thick.

For fire doors and industrial doors. When used on fire doors, suitable only for use where a single point latch is acceptable, that is on a single door opening not more than 4' wide and 8' high and on an opening for pairs of doors not more than 8' wide and 8' high.

• THREE STYLES

No. 144 for wood doors or tin-clad fire doors.

No. 144-1 furnished with special mounting plates, for use on corrugated steel fire doors or on steel plate doors.

No. 144-2 furnished with special shoulder bolts, for R-W No. 647 fire doors.

• FOUR SIZES

Size of Bolt	Width of Opening	Weight, Each No. 144 Bolt		
		144	144-1	144-2
		446 Door	347-1347 Door	647 Door
24	2' 0"-2' 5"	14-1/4	18-1/4	15-1/4
30	2' 6"-2' 11"	17-1/4	21-1/4	18-1/4
36	3' 0"-3' 5"	20-1/4	24-1/4	21-1/4
42	3' 6"-4' 0"	23-1/4	27	24-1/2

When Cylinder Lock is used, Add 3/4 Lb. Without Outside Handle, Deduct 2-1/4 Lbs. (If Outside Handle is Omitted, Cylinder Lock **Cannot** be Used.)

• GENERAL DESCRIPTION

Standard design of malleable iron and steel. Sometimes certain parts of bronze are desirable to guard against sparking or corrosion. Then bolt proper, keepers, handle and links are made of bronze. To order this type add "B" to catalog number. For solid bronze bolts add "SB".

Can be furnished with cylinder lock to prevent operation from the outside except when unlocked but not interfering with operation from the inside at any time.

The outside operating handle permits door to be operated from the outside when not essential to have door locked from the outside. Can be furnished without outside handle if desired. If outside handle is omitted, cylinder lock **cannot** be used.

• FINISH

Regularly furnished gray enamel.

See "General Description" above for special conditions.

• DIRECTIONS FOR ORDERING

Follow directions given for No. 244 (see opposite page), also state if outside handle or lock is desirable State of thickness door stop.

Panic Bolts for Pair Swinging Doors

Inspected And Approved By The Underwriters' Laboratories, Inc., Listed Under Reexamination Service . . . Exit Devices

Size of Bolt	Width of Opening	Weight, Each 144 and 244 Set		
		144 x 244 446 Door	144 x 244-1 347-1347 Door	144 x 244-2 647 Door
24	4' 0"-4' 11"	37-1/4	41-1/4	38-1/4
30	5' 0"-5' 11"	43-1/4	47-1/4	44-1/4
36	6' 0"-6' 11"	49-1/4	53-1/4	50-1/4
42	7' 0"-8' 0"	55-1/2	59-1/2	56-1/2

When Cylinder Lock is Specified (For No. 144 Bolt Only), Add 3/4 Lb.

Without Outside Handle (For No. 144 Bolt Only) Deduct 2-1/4 Lbs. (If Outside Handle is Omitted, Cylinder Lock Cannot be Used.)

Add 1 Lb. for Each Additional Foot of Height of Door Over 7' 0".



Exit Devices

Price of No. 244 Bolts does not include the No. 144 Bolt. If both are wanted, be sure to specify.



Inactive Door Right-Hand Shown with No. 244 Panic Bolt.

Active Door Left-Hand Shown with No. 144 Panic Bolt.

• USE

The panic bolts shown above are referred to as a No. 144 and 244 combination.

The No. 144 bolt is used on the active door and the No. 244 on an inactive door.

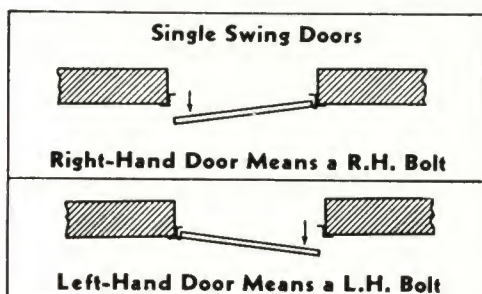
The No. 244 bolt used also where it is necessary to lock at both the top and bottom instead of to the side jamb.

The general description of the No. 144 panic bolt is shown on the opposite page

• THREE STYLES

No. 144x244 for wood doors or Tin Clad Fire Doors. No. 144x244-1 furnished with special mounting plates . . . For use on corrugated steel fire doors or on steel plate doors.

No. 144x244-2 for R-W No. 647 "FyeR-Ward" fire doors . . . Special shoulder bolts are furnished for this style.



• DIRECTIONS FOR ORDERING

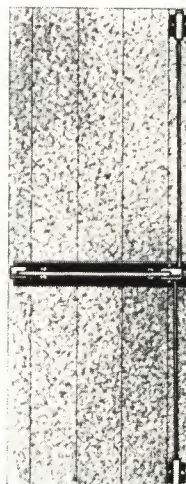
State Construction of Door So Proper Fastenings Can Be Furnished

- Panic bolts not requiring outside handles and locks
No. 144 Type, width and thickness of door and jamb construction.
No. 244 Type, width, height and thickness of door, and jamb construction.
- Panic bolts requiring outside handles
No. 144 Type, width and thickness of door and jamb construction.
- Panic bolts requiring outside handles and locks
No. 144 Type, width, thickness and swing of door, and jamb construction.

• FINISH

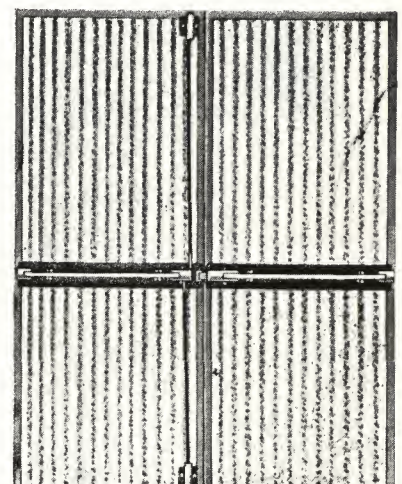
Regularly furnished, gray enamel.

See "General Description," page 14, for special conditions.



No. 244-2 used on Single Swing Door.

(No. 647 Door Shown)



No. 244-1 Panic Bolt is used on the Inactive Door at Left, and No. 144-1 Panic Bolt is used on the Active Door.

(No. 347 or 1347 Door Shown)

Latches for Doors and Gates

•No. 425 Latch

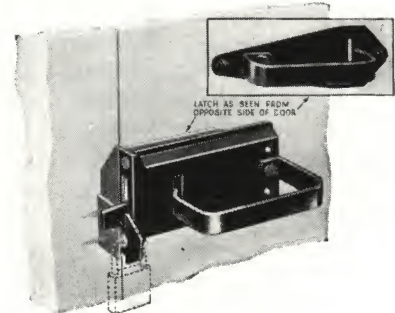
For swinging doors 1-5/8" to 2-1/4" thick. Provides hold-open keeper fastened to side of building to catch outside handle.

Steel construction. Reversible for right or left hand doors. Gravity-type latch bar. Handle, 3-5/8" wide. Latch, 6-1/4" long, 3" high.

Finish, gray enamel.

Packed one latch to a box including screws.

Weight, each, 1-1/2 lbs.



No. 425

•No. 452 Latch

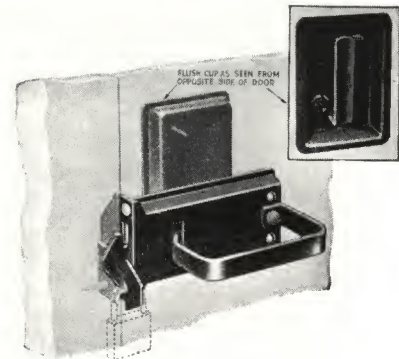
For sliding doors 1-5/8" to 2-1/4" thick.

Steel construction. Reversible for right or left hand doors. Handle, 3-5/8" wide. Flush cup, 3-3/16" wide by 4-3/8" high with flush handle. Gravity-type latch bar. Latch, 6-1/4" long, 3" high.

Finish, gray enamel.

Packed one latch to a box including screws.

Weight, each, 1-1/2 lbs.

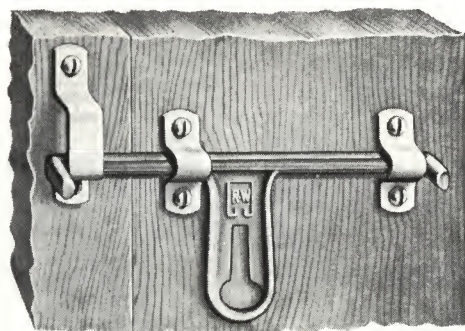


No. 452

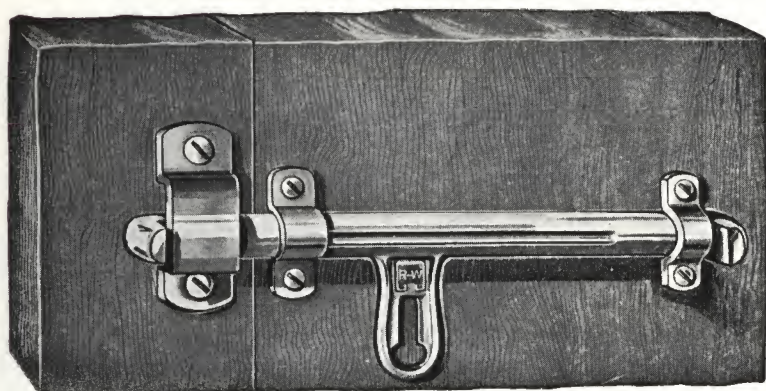


**Pages 172-187
Illustrate Other
Major Products
Made By R-W
Doors, Conveyors, Operators, Etc.**

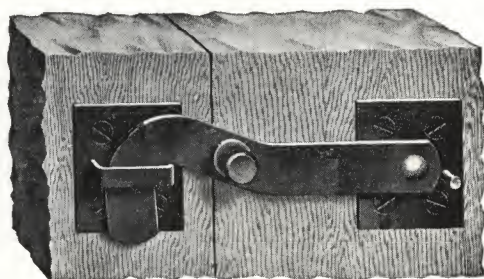
Door Latches



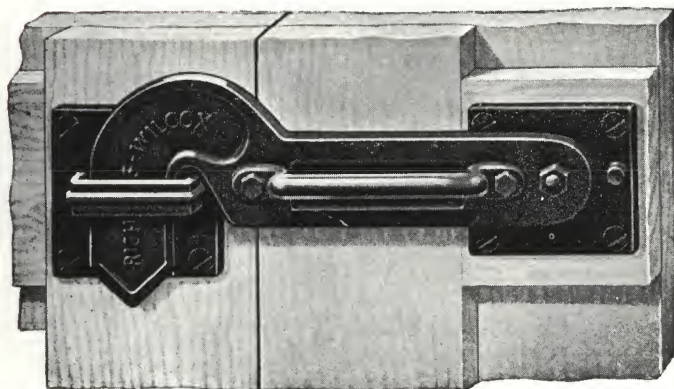
No. 128-2



No. 128-4



No. 1025-1 and 2 (right hand)



No. 1025-4

•No. 128 Dandy Door Bolt and Gravity Latch

For swinging and sliding doors.

Two sizes: No. 2 for medium size doors; No. 4 for larger doors.

Can use padlock by driving large staple into door to engage opening in handle of bolt in latched position. Reversible for right or left hand doors.

Bolt proper, malleable iron; keepers and guides, steel, No. 2, 1/2" x 8" bolt; No. 4, 3/4" x 12" bolt.

Finish, gray enamel, regular.

No. 2 latch bar, gray enamel, regular. Clips and keepers cadmium plated. Cadmium plated bars available if specified.

No. 4 latch, gray enamel, regular.

Packed: No. 2, one dozen in box; No. 4, two in a box with screws.

Weight per dozen: No. 2, 11 lbs.; No. 4, 25 lbs.

No. 1025 Door Latches

•Nos. 1025-1 and 2 Door Latches

For swinging or sliding doors. Inside or outside use. When ordering specify right or left hand.

No. 1, 6"; No. 2, 8". Forged steel, 3/16" thick, 1" wide.

Finish, gray enamel, regular. Galvanized available when specified.

Packed one dozen to a box. All one hand.

Weight per dozen: No. 1, 10-1/2 lbs.; No. 2, 12 lbs.

•No. 1025-4 Door Latch

For very heavy doors. Inside or outside use. Reversible, right or left hand as handle and latch bar are attached by screws.

Malleable iron. Length over-all, 14"; latch bar, 12"; pivot plate, 3-1/2" x 4"; keeper, 4" x 4".

Finish, gray enamel, regular. Galvanized available when specified.

Packed one in a box with screws.

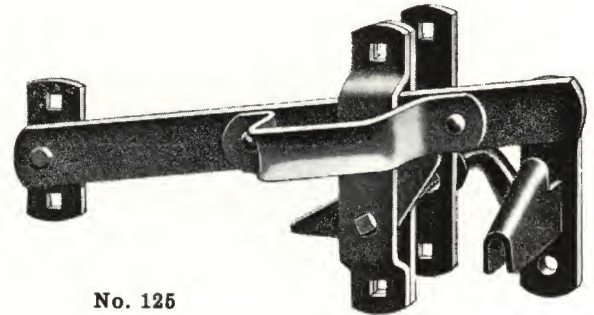
Weight, each, 5 lbs.

Door Latches

If it is Desired to use Padlocks with the Nos. 125 and 225 Latches, use No. 139 Padlock Plates

•No. 125 "Bull Dog" Steel Latch

For heavy warehouse or factory swinging doors up to 3" thick. Screw adjustment on spindle. Latch bar lifted on bar side of door by handle attached directly to it. Lever type handle with spindles and triangular latch lifter control the operation of the latch bar from opposite side of the door. Length, 13-5/8"; width, 1-1/2"; thickness, 5/16". Finish, gray enamel. Packed individually in metal edge box. Weight, each, 4-3/4 lbs.

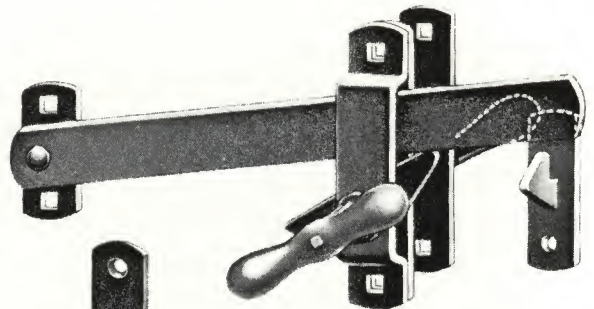


No. 125

•No. 225 "Lion" Steel Latches

Four sizes with different keepers. For swing doors only. Nos. 1 and 2 for light doors 1-3/4" to 2-5/8" thick; No. 3 for medium doors 1-3/4" to 2-5/8" thick; and No. 4 for extra heavy doors up to 3" thick. Reversible for right or left hand doors.

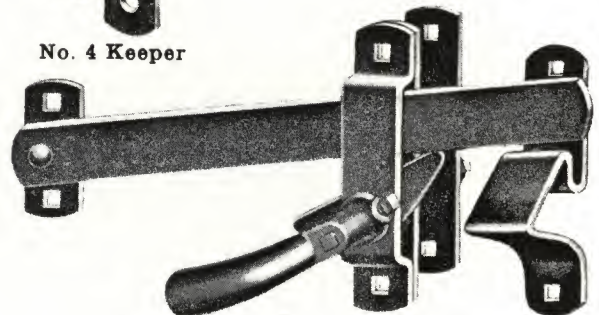
Handles on Nos. 1 and 2, gray iron; Nos. 3 and 4, malleable iron. Finish, gray enamel. Packed one in a box, less bolts.



No. 225 Latch
No. 1 or 2 Keeper



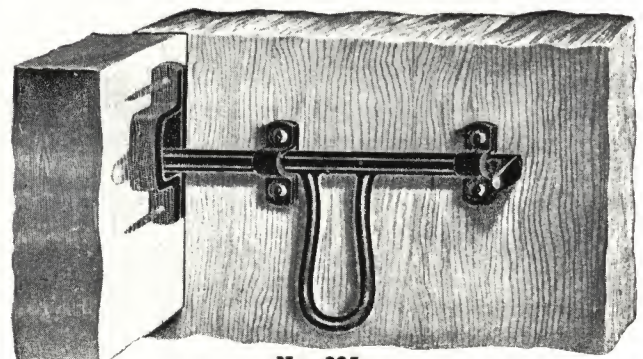
No. 4 Keeper



225-3 Latch

•No. 835 Door Bolt and Gravity Latch

Designed for outside face of single inswinging door. Adaptable to being locked by padlock. Reversible for right or left hand doors. Malleable iron bolt, other parts steel. Diameter, 1/2"; length, 8". Finish, gray enamel, regular. Packed one in a box with screws. Weight, each, 1 lb.



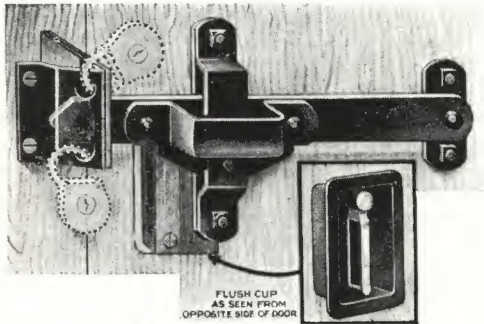
No. 835

Number	Style Keeper	Style of Handle	Latch Bar	Weight, Each
225-1	No. 1	Tee	10" x 1" x 1/4"	2 3/4 lbs.
225-2	No. 1	Tee	12" x 1 1/4" x 1/4"	3 1/4 lbs.
225-3	No. 3	Lever	13 5/8" x 1 1/2" x 5/16"	5 1/4 lbs.
225-4	No. 4	Tee	13 5/8" x 1 1/2" x 5/8"	6 lbs.

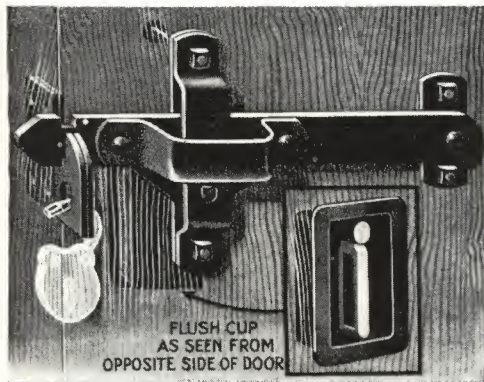
No. 152 Latches

For Sliding Doors

(Nos. 152-1 and 2, Nos. 152A-1 and A-2)



Nos. 152-1 and 2



Nos. 152A-1 and A-2

•Use

For heavy mill or warehouse sliding doors, 1-3/4" to 2-3/4" thick.

•Construction

Operates from either side of door, may be locked by padlock. Reversible for right or left hand doors. Choice of two sizes of flush cups or two styles of keepers. Latch bar: 13-5/8" long, 1-1/2" wide, 5/16" thick.

No. 152-1, keeper as illustrated left above, flush cup, 2-1/8" wide by 3-7/8" high inside.

No. 152-2, keeper same as 152-1, flush cup, 3" wide by 3-7/8" high inside.

No. 152A-1, two-piece keeper as shown, flush cup, 2-1/8" wide by 3-7/8" high inside.

No. 152A-2, keeper same as 152A-1, flush cup, 3" wide by 3-7/8" high inside.

•Finish

Gray enamel.

•Packed

One latch in a box less bolts.

•Weight

Each, 5-1/2 lbs.

For Swinging Doors (No. 152A-3)

•Use

For heavy mill or warehouse swinging doors, 1-3/4" to 2-3/4" thick.

•Construction

Operates from either side of door, may be locked with padlock. Reversible for right or left hand doors. Latch bar: 13-5/8" long, 1-1/2" wide, 5/16" thick.

•Finish

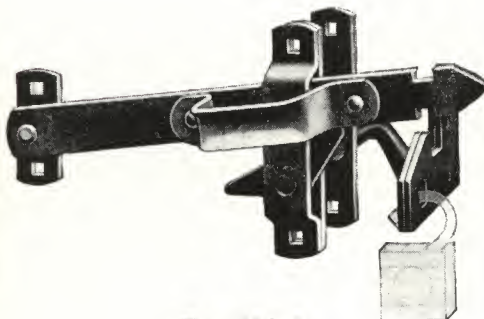
Gray enamel, regular.

•Packed

One latch in a box less bolts.

•Weight

Each, 5-1/4 lbs.



No. 152A-3

Door Bolts

No. 514 Spring Bolt

● **Use**

For garage doors. Reversible. Two sizes.

● **Construction**

No. 514-1 housing, steel, 4-5/8" long. Bolt proper, 1/2" x 5/8", 5-1/2" long over-all. Chain, 24" long with ring on end. Two keepers.

No. 514-2 housing, heavy steel, 9" long. Bolt proper, 3/4" wide x 1/4" thick, 10" long over-all. Chain, 36" long with ring on end. Two keepers.

● **Finish**

Gray enamel.

● **Packed**

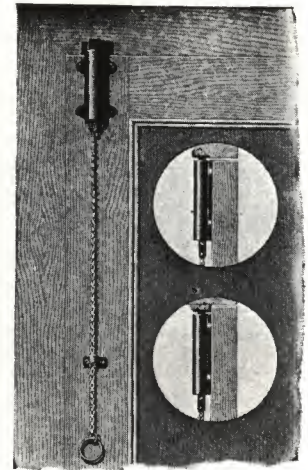
No. 514-1; six in a box.

No. 514-2; one in a box.

All with screws and chain for each bolt.

● **Weight**

No. 1, 1 lb. ea.; No. 2, 2 lbs. ea.



No. 514-1 or 2 Showing Various Applications of Keepers

No. 514-3 Heavy Top Spring Bolt

● **Use**

Extra heavy bolt for warehouse or other heavy doors.

● **Construction**

Housing, malleable iron, 9" long. Bolt proper, 1-1/4" wide by 1" thick, 10-1/2" long over-all. Chain, 60" long with ring on end. Clip to guide chain also included. Projection from face of door, 1-3/4". One keeper furnished. Always specify thickness of door to which bolt is to be attached.

● **Finish**

Gray enamel.

● **Packed**

One in a box with carriage bolts.

● **Weight**

Each, 7 lbs.



No. 514-3 Bolt

No. 524 Cane Bottom Bolt

● **Use**

For garage or warehouse doors.

● **Construction**

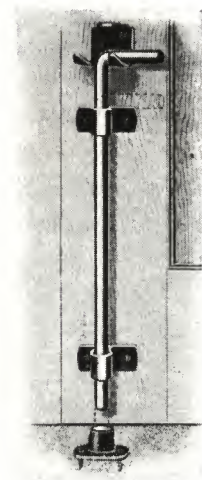
Steel. No. 4 size guides, gray iron. Bolt drops by gravity when handle is lifted out of socket. Keeper installed in wood or concrete floor.

● **Finish**

Gray enamel.

● **Packed**

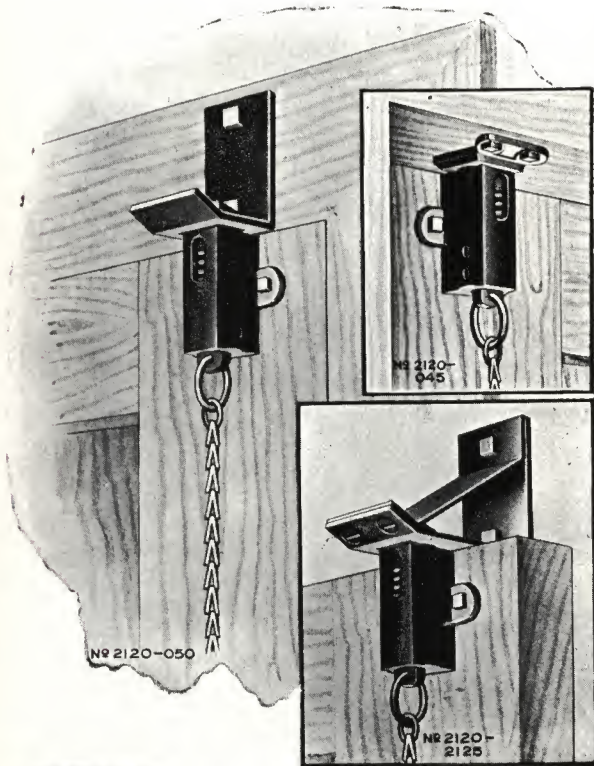
One in a box with wood screws.



No. 524 Bolt

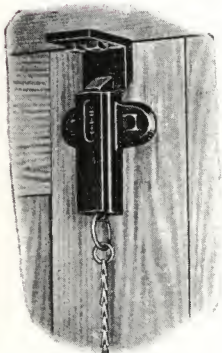
Size	Dimensions	Projection from Door	Weight Each
No. 0	1/2" x 12" long	1-5/16"	1-3/4 lbs.
No. 1	5/8" x 18" long	1-5/16"	3 lbs.
No. 2	3/4" x 24" long	1-7/16"	4-1/2 lbs.
No. 3	7/8" x 24" long	1-3/4"	7 lbs.
No. 4	1" x 30" long	1-7/8"	11-1/2 lbs.

Door Bolts



No. 2120 Top or Bottom Spring Bolt (Specify Thickness of Door)

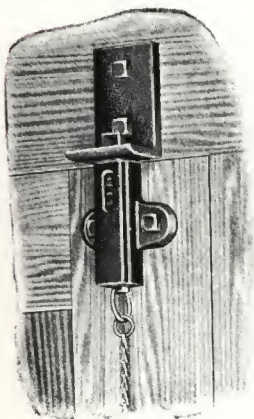
- **Use**
Extra heavy bolt for warehouse or other heavy doors.
- **Construction**
Housing, malleable iron, 5" long. Bolt proper, malleable iron, 7/8" x 1-1/8". Chain, 36" long with ring and clip. Projects 2-1/8" from face of door. Furnished with either of three styles of keepers illustrated. Be sure to specify which style is desired.
- **Finish**
Gray enamel.
- **Packed**
In bulk.
- **Weight**
Each, 8 lbs.



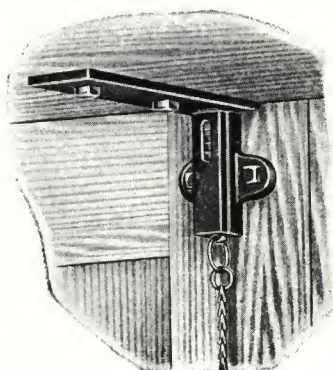
No. 434-T Bolt
with Keeper B



No. 434-R Bolt



No. 434-C Bolt
with Keeper A



No. 434-C Bolt
with Keeper D

No. 434 Top Spring Bolt

- **Three Styles**
Three styles of bolts, C, R and T.
Three styles of keepers as illustrated.
Any keeper furnished with any bolt (just specify).
- **Construction**
Similar to No. 2120 bolt. Projects 1-5/16" from face of door.
- **Finish**
Gray enamel.
- **Packed**
In bulk.
- **Weight**
Each, 7 lbs.

No. 517 Garage Cremone Bolt

•Use

Provides continuous bolt for locking door at top and bottom with one movement of lever handle.

Adjustable for doors up to 9' high.

•Three Styles

No. 517—ends of connecting rods, where attached to lever handle, are off center so bolt maintains position by gravity, cannot be changed except by moving handle.

No. 517 x 427—517 bolt plus cylinder lock with offset locking attachment and an outside operating handle.

No. 517 x 527—517 bolt plus a No. 527 exterior handle and lug. For use with a padlock arrangement.

•Construction

Connecting rods, 1/2" diameter steel, made in sections. Threaded at top and bottom to provide adjustment. Extra 18" sections can be furnished at extra cost. Outside surface of door strikes lug on bottom keeper so bolt will always be in line with opening in keeper when door is shut. Keeper adjustable for various thickness doors. For in-opening doors only. Flat bottom keeper furnished for out-opening doors only.

No. 517 x 427 and 517 x 527 may be operated from outside by exterior operating handle.

•Packed

Packed with screws and keepers in box.

•Finish

Gray enamel.

•Weight

For doors up to 9' high: No. 517, 11 lbs.; No. 517 x 427, 14-1/2 lbs.; No. 517 x 527, 10-3/4 lbs. Extra section, 18" long, 1 lb.

•Directions for Ordering

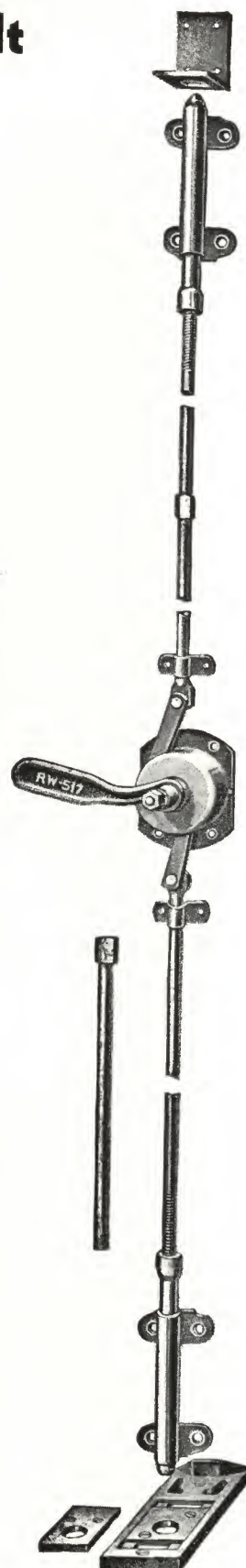
State height of door; whether sliding, sliding-folding or swing doors; if swing door, does it overlap jamb or set in flush; whether doors swing in or out.



No. 517 x 427

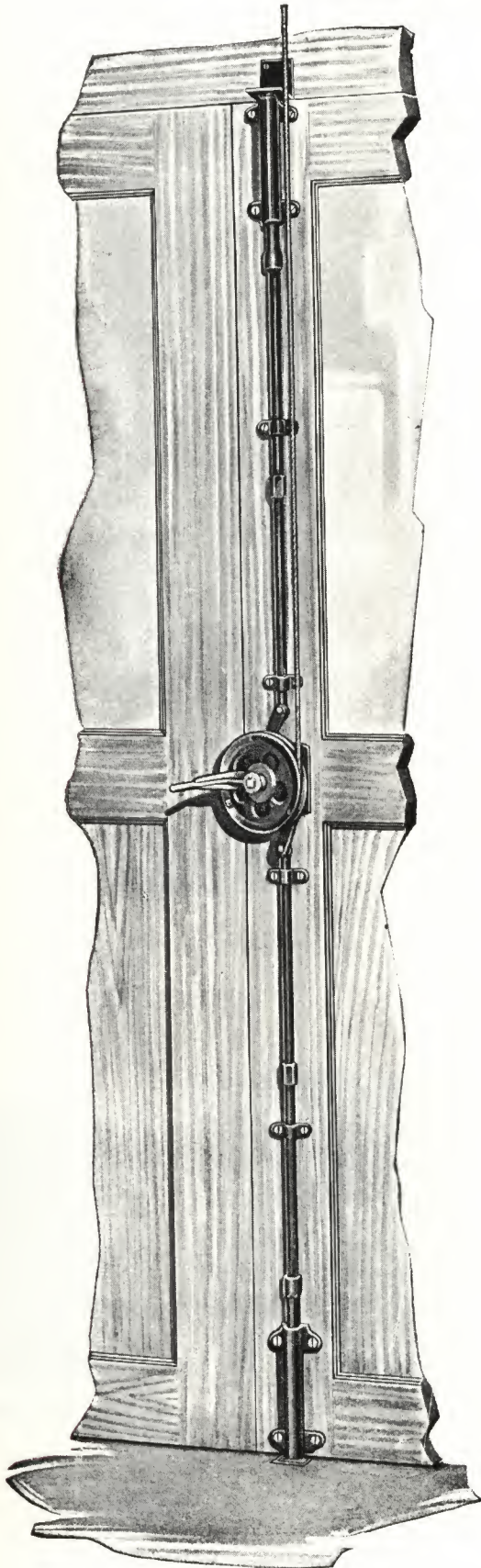


No. 517 x 527



No. 517 Bolt

No. 1335 Fire Station Door Bolt



● **Use**

For fire station doors requiring rugged but quick acting bolts.

● **Construction**

Consists of regular 517 cremone bolt with rope operated unlocking attachment. Quick jerk of rope from driver's seat operates action of bolt. For features of bolt see No. 517 cremone bolt (opposite page).

● **Packed**

Packed complete, less rope, in metal edge box.

● **Finish**

Gray enamel.

● **Weight**

For doors up to 9' high, No. 1335, 17 lbs.

● **Directions for Ordering**

State the following:

Height of door.

Whether sliding-folding or swing door.

If swing door, does same overlap jamb or is it set in flush.

No. 617 Garage Cremone Bolt

•Use

Provides an ornamental continuous bolt for locking garage doors at top and bottom with one movement of lever handle.

•Three Styles

No. 617—ends of connecting arms attached to lever handle; bolt will retain its position until manually operated.

No. 617 x 427—No. 617 bolt plus cylinder lock with off-set locking attachment and outside operating handle.

No. 617 x 527—No. 617 bolt plus No. 527 exterior handle and lug.

•Construction

Three sections united, 1/2" diameter steel connecting rods.

Adjustable for doors up to 10' high.

Connecting rods threaded at top and bottom to provide adjustment.

Extra 18" sections furnished at extra cost.

Outside surface of door strikes lug on patented bottom keeper as bolt will always be in line with opening in keeper when door is shut. This patented keeper is adjustable for doors of various thicknesses and for in-opening doors only.

Flat bottom keeper furnished for out-opening doors.

Nos. 617 x 427 and 617 x 527 may be operated from outside by exterior handle.

•Packed

One in a box with screws and keeper.

•Finish

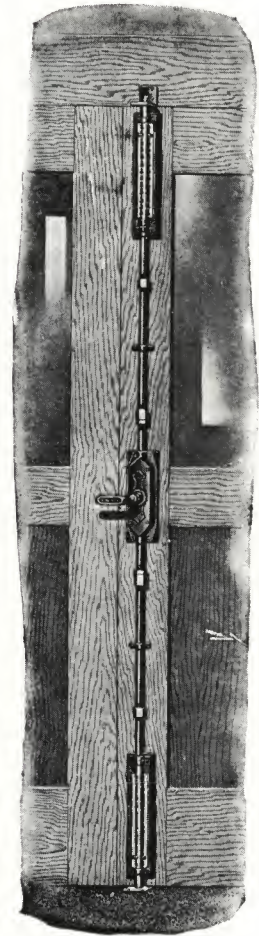
Gray enamel.

•Weight

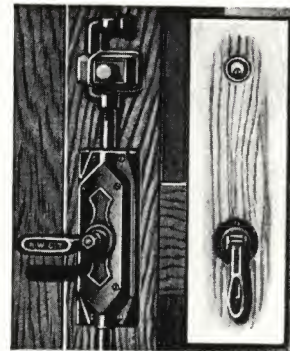
For doors up to 10' high: No. 617, 15-1/2 lbs.; No. 617 x 427, 16 lbs.; No. 617 x 527, 15-1/4 lbs. Extra 18" sections, 1-1/4 lbs.

•Directions for Ordering

State height of door, whether sliding, sliding-folding, or swing doors; does it overlap jamb or set in flush; whether doors swing in or out.



No. 617



No. 617 x 427



No. 617 x 527

No. 1017 Extra-Heavy Cremone Bolt



●Use

For extra large heavy doors as specified.

●Construction

Cast parts, malleable iron.

Rod, 1.050" O.D. tubing.

Rod threaded 3" at top and bottom for total adjustment of 6".

Throw of bolt, 3".

Operating handle, 4' from floor.

All parts reversible.

Attached to door with side flanges.

Projection from door, 2-1/2". Adjustable patented bottom keeper for in-opening doors same as No. 517 or 617 bolt.

Flat bottom keeper for out-opening doors.

●Packed

One in a box, complete, with screws and keeper.

(State thickness of door for screws.)

●Finish

Gray enamel.

●Weight

For doors up to 10' high, each, 25 lbs.

Weight, per extra foot, 1-1/2 lbs.